

AGIP ALARIA 3 e 7



AGIP ALARIA oils are used for filling heat transfer units. They have excellent oxidation stability and withstand thermal decomposition, being formulated from carefully selected paraffinic base stocks. They are available in two grades.

CHARACTERISTICS (TYPICAL FIGURES)

AGIP ALARIA

		3	7
Viscosity at 40°C	mm ² /s	30	98
Viscosity at 100°C	mm ² /s	5,3	10,9
Viscosity Index	-	105	95
Flash Point COC	°C	216	270
Pour Point	°C	-9	-9
Mass Density at 15°C	kg/l	0,875	0,889

PROPERTIES AND PERFORMANCE

- The high quality of AGIP ALARIA heat transfer oils guarantees their resistance to high-temperature degradation, thus preventing deposit and sludge formation.
- The three viscosity grades permit selection of the oil best suited for operating conditions, as far as temperatures are concerned.
- High-grade refining prevents deposit and sludge formation during operation, while the superior quality level ensures thermal stability up to temperatures where cracking starts.
- The paraffinic base stock is refined to guarantee good demulsibility and air-separation performance, thus ensuring proper operation of the heat transfer unit, by preventing the formation of steam and air bubbles at the hottest points.
- The heat transfer characteristics of AGIP ALARIA remain practically unchanged while in service, due to the very good oxidation resistance of these oils and their high-temperature stability.

APPLICATIONS

AGIP ALARIA 3 can be used in all “open” or “closed” type units with:

- maximum boiler outlet temperature: 305°C
- maximum boiler wall temperature: 320°C

AGIP ALARIA 7 can be used in all “open” or “closed” type units with:

- maximum boiler outlet temperature: 300°C
- maximum boiler wall temperature: 315°C

Higher working temperatures reduce oil life; the closer the working temperature to the cracking temperature and the longer that condition persists, the shorter the life.

AGIP ALARIA 3 e 7



OPERATING ADVICE

When starting-up a new unit or when restarting after maintenance, and also in the case of irregular operation at normal temperature caused by residual moisture in the oil, the temperature of the unit should be reduced to around 100°C and all the steam blown off before returning to the normal working temperature.

PACKAGING AVAILABLE

- 210 liter (drum)
- 20 liter (pail)

ROCOL®



SITE SAFETY & ANTI-SLIP SOLUTIONS

Superior Performance Products and Solution that make our living and working environments safer.

Performance you can trust



HISTORY OF EXCELLENCE

At ROCOL® we manufacture a range of innovative greases, oils, metalworking fluids, lubricants, aerosol paints, anti-slip floor coatings and panels - all designed to exceed today's challenging operating conditions.

Over the last 130 years, we have expanded considerably and offer solutions to nearly every facet of industry with over 150 distributors stocking and supplying the product range worldwide.

ROCOL have worked with some of the world's leading companies in many diverse industries and applications, developing products with one common goal: to deliver optimum performance.

We pride ourselves on producing technically advanced products with industry needs at the core. Each and every product has been developed in the spirit ROCOL are renowned for:

- ▶ Trusted Superior Performance
- ▶ Problem Solving
- ▶ High Quality
- ▶ Technical Innovation
- ▶ Excellent Technical and After-Sales Support

ROCOL operate to internationally recognised standards for quality, environment and safety. Also, we are proud of our Investor in People accreditation which demonstrates our commitment to the continual engagement and development of our people.



QUALITY



ENVIRONMENT



SAFETY



PEOPLE





Since the launch of the first EASYLINE® Aerosol line marking system on Tomorrow's World by Raymond Baxter in 1976, ROCOL® Site Safety & Anti-Slip Solutions have been at the forefront of innovation; delivering technically superior products to the market.

Our mission is to develop superior performance products and solutions that make our living and working environments safer. From demarcation of pedestrian and vehicular areas to traffic management, from pollution preventing absorbents to slip prevention on bridges and in public areas, our products are found all over the world and across every industry.

CONTENTS

- ▶ MARKING
- ▶ STENCILS & DEMARCATION
- ▶ SLIP PREVENTION
- ▶ SAFE STEP® FLOOR COATINGS
- ▶ SAFE STEP® REPAIR & PREVENTION
- ▶ TRAFFIC MANAGEMENT



ROCOL® PAINT

ROCOL offer a complete range of Line and Spot & Survey marking solutions for different applications.

What is the difference between Line Marking and Spot & Survey Marking paints?

	DOWNTIME	COVERAGE	DURABILITY	DRYING TIME
LINE MARKING				
EASYLINE® EDGE	1 HOUR	UP TO 100M	UP TO 3 YEARS	TOUCH DRY - 10 MINS SURFACE - 30 MINS THROUGH DRY - 70MINS HARD DRY - 4 HOURS VEHICULAR TRAFFIC - OVERNIGHT
SPOT MARKING				
CONTRACTOR®			UP TO 6 MONTHS	5 MINS
CONTRACTOR® FUSION			3-6 MONTHS	5 MINS
TEMPORARY FUSION			2-3 MONTHS	5 MINS

Line and Spot & Survey Marking can help to reduce the risk of transport related injuries or fatalities in the workplace.

PERMANENT LINE MARKING USAGE



Internal & External Walkways



Zebra Crossing



Full Colour Pallet Marshalling Lanes



Hatched Boxes and Areas



Material Handling Equipment Parking



Pallet Grid Lanes



Racking Drive-Through Hatches



Car Parking Bays

SEMI-PERMANENT SPOT & SURVEY MARKING USAGE



Colour/Hazar coding for Cables & Utilities



Mark Sports Routes



Construction Sites



Ground Maintenance



School Sports Days



Traffic Accidents



Excavations Sites



Resurfing Level Indicators



Trenchmarking



Trees/Grass Marking



Survey Marking



Highway Maintenance Areas

DID YOU KNOW?
Current European legislation (The European Directive 92/58/eec) requires property owners to provide clear demarcation lines for factory floors showing pedestrian aisles and gangways.



EASYLINE® EDGE SYSTEM

The world's leading aerosol line marking paint.



FEATURES AND BENEFITS

- ▶ Produces 3 line widths: 50mm, 75mm & 100mm
- ▶ Line-mark close to walls and racking systems
- ▶ For internal and external use
- ▶ Quick and easy to use
- ▶ Heavy-duty storage case
- ▶ Clean, sharp lines

EASYLINE HAND-HELD APPLICATOR

- ▶ Hand-held applicator used for free-hand marking and stencilling
- ▶ This system gives the user added comfort and ease of use



SUPPLIED IN HEAVY DUTY CASE



“I WAS PLEASED WITH EASYLINE'S SPEED OF APPLICATION, THE MINIMUM DOWNTIME, AND ESPECIALLY AT HOW BRIGHT AND SHARP THE LINES CAME OUT.”

DAVID REEMAN, PREMISES MANAGER, BEKO PLC



SCAN TO WATCH
THE VIDEO OR GO TO:
www.ocol.com/easyline

EASYLINE® EDGE AEROSOL PAINT

EASYLINE Edge line marking paint is accepted as the ultimate line marking paint aerosol around the world. With a superior paint formulation combined with the precision engineered EASYLINE Edge applicator

Paint lasts at least 2 times longer than the best competitor.

DURABILITY ASTM D4060-84



EASYLINE
AFTER 3800
CYCLES OF ABRASION



COMPETITOR A
AFTER 1500
CYCLES OF ABRASION



COMPETITOR B
AFTER 1400
CYCLES OF ABRASION

Maintains its bright colour longer than other competitors

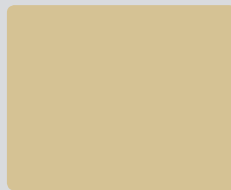
COLOUR STABILITY



EASYLINE
UV STABILITY
AFTER 2000 HRS



COMPETITOR A
UV STABILITY
AFTER 2000 HRS



COMPETITOR B
UV STABILITY
AFTER 2000 HRS

Professional Quality Lines

CRISP, CLEAN LINES



EASYLINE



COMPETITOR A



COMPETITOR B

FEATURES AND BENEFITS

Lowest Volatile Organic Compounds (VOC's) system on the market.

Dries in 10min, easy to apply, no mess, no wastage.

Complies with your legal obligations under The European Directive 92/58/EEC

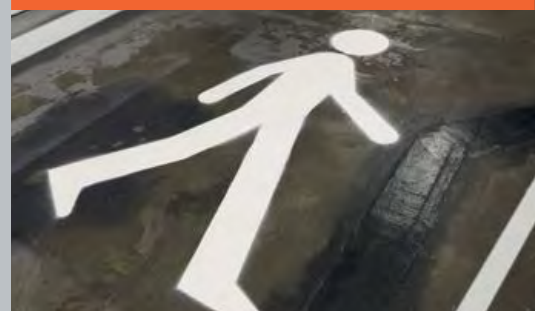
Aerosol's are up to 50% stronger, each can is rated at 18 Bar min

GREATER SURFACE BONDING THAN THE COMPETITION



CROSS HATCH ADHESION
BS39000; PART 6; 1974

HARD WEARING AND OFFERS GREAT FLEXIBILITY, EXCELLENT CONICAL MANDREL



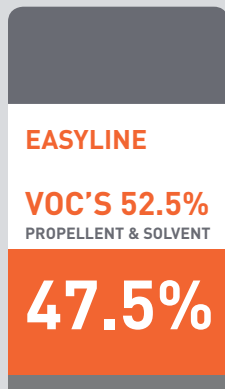
DURABILITY ASTM D4060-84



“EASYLINE CREATES EXCEPTIONALLY CRISP, CLEAR RESULTS AND LASTS FOR AGES - IT’S EVEN BETTER THAN THERMOPLASTIC. THE PAINT AND EQUIPMENT IS STATE-OF-THE-ART, AND A REAL ASSET TO MY COMPANY. I HOLD IT IN THE HIGHEST REGARD.”

JOHN NGAU, DIRECTOR,
LITTER CLEAN SOLUTIONS

Highest paint content per can on the market



Health, Safety and Environment Focused

EASYLINE	NON IRRITANT	NOT HARMFUL TO THE ENVIRONMENT
COMPETITOR A	HARMFUL	
COMPETITOR B	IRRITANT	HARMFUL TO THE ENVIRONMENT

COLOURS	PRODUCT	CODE
RAL 9016	EASYLINE PAINT WHITE	47000
RAL 1023	EASYLINE PAINT YELLOW	47001
RAL 3020	EASYLINE PAINT RED	47002
RAL 5017	EASYLINE PAINT BLUE	47003
RAL 6024	EASYLINE PAINT GREEN	47004
RAL 2009	EASYLINE PAINT ORANGE	47005
RAL 9017	EASYLINE PAINT BLACK	47006
RAL 7045	EASYLINE PAINT GREY	47007
-	EASYLINE PAINT FLUORESCENT PINK	47008
-	EASYLINE PAINT FLUORESCENT YELLOW	47009

ROCOL EASYLINE® CAR PARK KIT

A simple and cost effective solution
for all site marking requirements

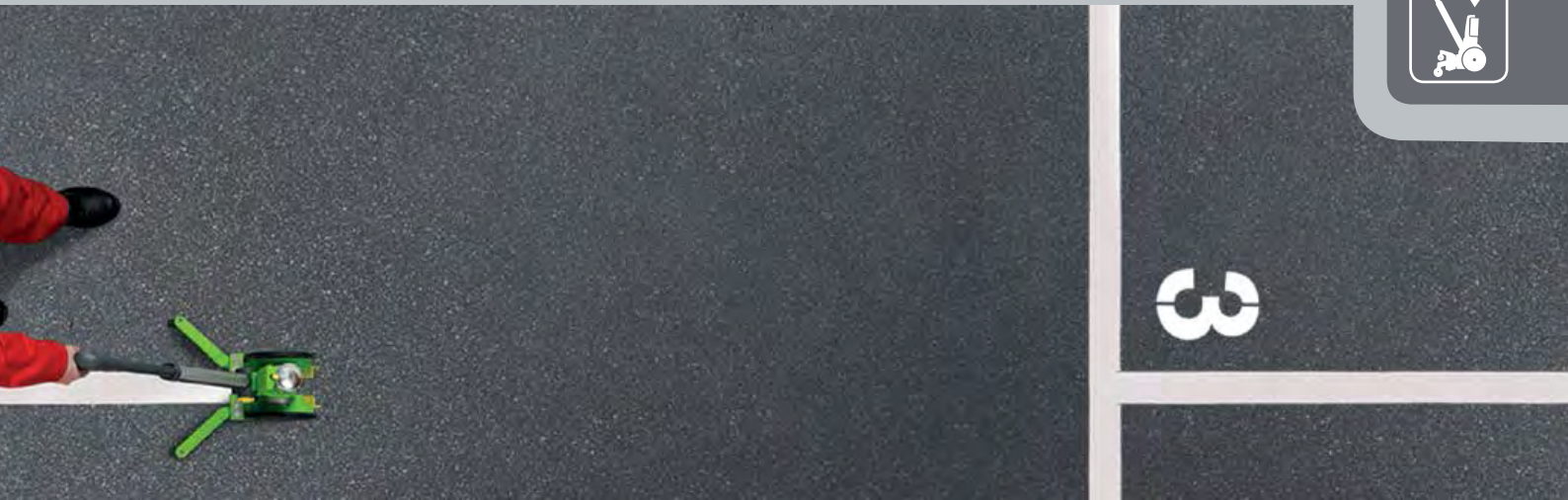
Features and Benefits

- ▶ A simple & cost effective solution to line marking car parks.
- ▶ An excellent alternative to expensive thermoplastic.
- ▶ Line marking which can cost up to £150 for 50m.
- ▶ High durability paint reduces need for re-painting.
- ▶ No need for contractors.

“THE EASYLINE SYSTEM WAS ABSOLUTELY BRILLIANT THE APPLICATOR WAS EASY TO USE AND SAVED A LOT OF TIME AND HASSLE. I WAS IMPRESSED WITH THE PERFORMANCE OF THE PAINT AS WELL. I NEVER EXPECTED IT TO LAST AS LONG AS IT DID - MUCH LONGER THAN OTHER AEROSOL PAINTS WE’VE USED.”

**MICK MAGSON, YARD MANAGER,
MARSHALLS PLC.**





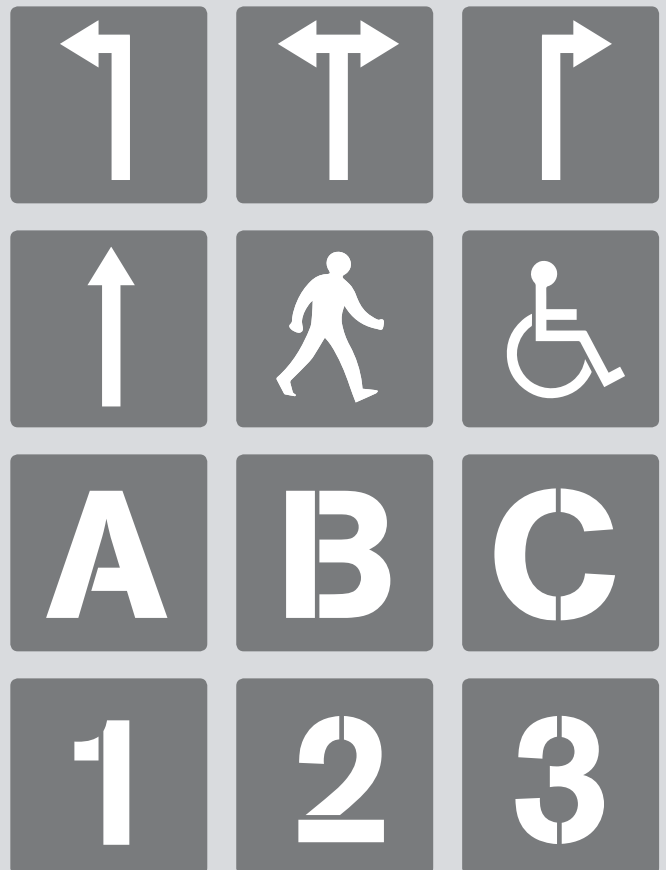
EASYLINE CAR PAR KIT CONTENTS:

1x EASYLINE Edge Applicator

6x EASYLINE Edge white aerosol paint

- ▶ Letters x26 (300mm height)
- ▶ Numbers x10 (300mm height)
- ▶ 1x Straight arrow (straight on) (650mm x 1100mm)
- ▶ 2x Turning arrow (left/right) (650mm x 1100mm)
- ▶ 1x Double headed arrow (650mm x 1100mm)
- ▶ 1x Walking man (650mm x 1100mm)
- ▶ Two part disabled emblem

EASYLINE EDGE STENCILS



- ▶ Hardwearing polyurethane stencils for premium marking.
- ▶ Letters & numbers contained in professional carry case.
- ▶ Straight arrow, turning arrows, double headed arrow, walking man and disabled stencil all packaged together for easy transport.



EASYLINE® GUIDANCE FOR USE

PREPARING THE SURFACE

Any surfaces covered in heavy grime or grease should be cleaned with a heavy duty cleaner, thoroughly washed down with water after use and allowed to dry.

PREPARATION

- ▶ Clean surface
- ▶ Needs to be dry
- ▶ Needs to be dust and debris-free

STEEL

- ▶ Clean surface
- ▶ If possible, abrade the surface
- ▶ Needs to be dry
- ▶ Needs to be dust and debris-free

CONCRETE

- ▶ Clean surface
- ▶ Use an acid etch solution on new or smooth concrete

ASPHALT

- ▶ Clean surface
- ▶ Needs to be dry
- ▶ Needs to be dust and debris-free

NEW TARMAC

- ▶ Clean surface
- ▶ Needs to be dry
- ▶ Needs to be dust and debris-free
- ▶ Paint first line quickly as a sealer
- ▶ When paint has dried, re-apply over top of line

“ WE LOVE THE SAFE PAINT AND EASY-TO-USE APPLICATOR; THE KIDS LOVE THE PLAYGROUND’S FRESH, VIBRANT COLOURS. WE’LL BE USING EASYLINE AGAIN”

FULHAM PRIMARY SCHOOL

DID YOU KNOW?

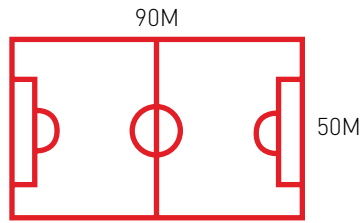
EASYLINE EDGE PAINT is resistant to most general chemicals for example:

- ▶ Detergents
- ▶ Petrol
- ▶ Diesel
- ▶ Oil

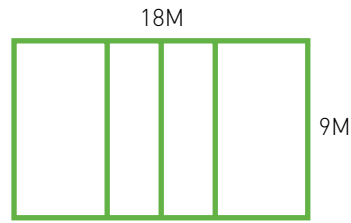


FOR EVERY CAR PARK, PLAYGROUND, WAREHOUSE AND SPORTS FIELD, THERE'S AN EASYLINE SOLUTION.

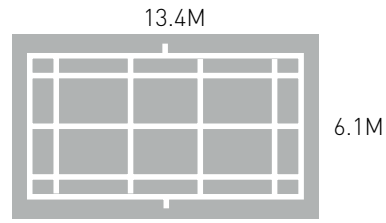
SPORTS PITCHES AND COURTS



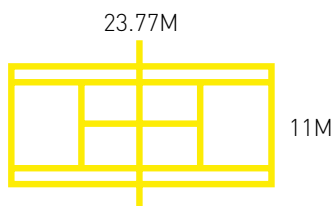
ASSOCIATION FOOTBALL
JUNIOR: 5 CANS



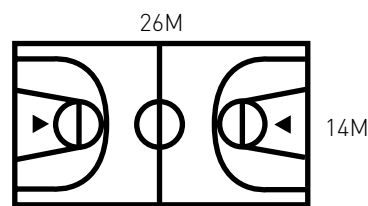
VOLLEYBALL: 1 CAN



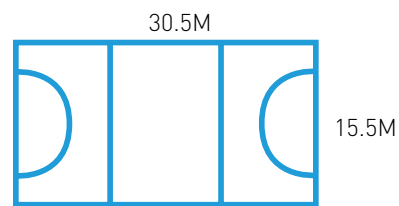
BADMINTON: 2 CANS



TENNIS: 2 CANS

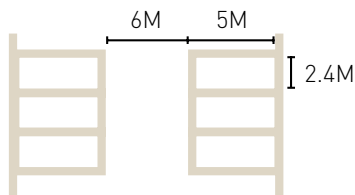


BASKETBALL: 2 CANS

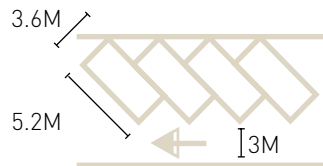


NETBALL: 2 CANS

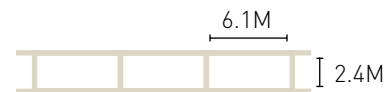
CARPARKING:



RIGHT ANGLE PARKING



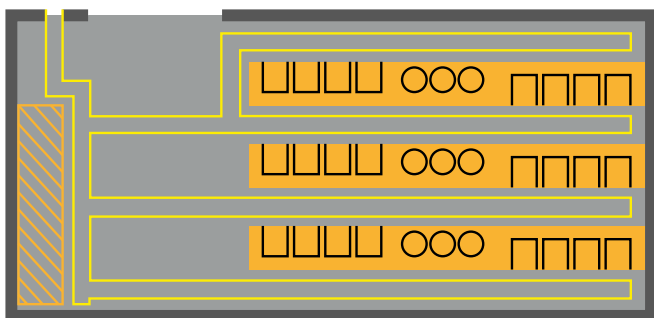
45° PARKING



KERB SIDE PARKING

Note: These designs are for guidance only. Refer to relevant association guidelines for full specifications.

LEGISLATION - WALKWAYS / FORK LIFTS



SUGGESTED LAYOUTS FOR:



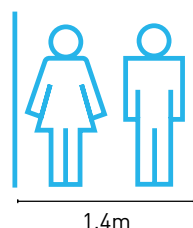
Chemical Storage



Walkway



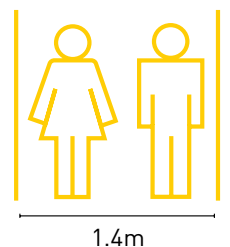
Racking



Clear width for people

FACILITIES MANAGEMENT

Suggested layout for Two Person Walkway



Suggested layout for One Person Walkway



SPOT AND SURVEY MARKING

ROCOL® offer a comprehensive range of Spot and Survey marking solutions to a wide variety of markets.













At ROCOL we manufacture three ranges of Spot and Survey marking solutions: CONTRACTOR, CONTRACTOR FUSION, and TEMPORARY FUSION.



SPOT & SURVEY MARKING SELECTOR GUIDE

PRODUCT	INDOOR	OUTDOOR	DRYING TIME	DURABILITY	UNIT SIZE	PACK SIZE	COLOURS
CONTRACTOR®	✓	✓	5 mins	Up to 6 months	750ml	12	6
CONTRACTOR® FUSION	✓	✓	5 mins	3 - 6 months	750ml	6	6
TEMPORARY® FUSION	✓	✓	5 mins	2 - 3 months	750ml	6	6

SPOT & SURVEY MARKING

PRODUCT	EXTREMELY FLAMMABLE	IRRITANT	HARMFUL TO THE ENVIRONMENT	PAINT SOLID	EMITS UP TO 60% LESS VOC
FUSION		Not Irritant	Not Harmful	38%	✓
NATIONAL DISTRIBUTION 1 Own Label				21%	✗
NATIONAL DISTRIBUTION 2 Own Label			Not Harmful	19.5%	✗
INDEPENDANT DISTRIBUTOR Own Label			Not Harmful	19.4%	✗
COMPETITOR BRAND 1			Not Harmful	21%	✗
COMPETITOR BRAND 2			Not Harmful	21%	✗



CONTRACTOR®

Rapid, cost effective semi-permanent spot & survey marking

CONTRACTOR is the superior spot and survey marking system on the market today, providing the requirements for durability with a clear market leading performance on sustainability and safety.

FEATURES AND BENEFITS

- ▶ One pass system gives excellent visibility up to 6 months durability
- ▶ Extra Tough 18Bar rated aerosol cans minimises risk of puncture or failure in high temperatures
- ▶ Clog Free formulation and a nozzle system for added reliability
- ▶ Fast drying - touch dry in 5 minutes
- ▶ Can be applied in damp conditions and surface temperatures down to 0c
- ▶ Colour coded range for cable, water, gas & electric company use
- ▶ Suitable for marking surfaces such as asphalt or tarmac, concrete, metals, timber, soil, grass, sand and gravel, artificial and natural stone, brickwork and composites



PRODUCT TYPES

General Marking	
General Marking	
Water	
Electricity	
Cable	
Deletes Existing	

DESCRIPTION

White	
Yellow	
Blue	
Red	
Green	
Black	

PART CODE

43080
43081
43082
43083
43084
43085

SIZE

750ml
750ml
750ml
750ml
750ml
750ml

FUSION FORMULATION

Responsible Spot and Survey Marking Paints

WHAT IS FUSION FORMULATION?

Fusion spot and survey marking paints from ROCOL® were developed over 12 months. After comprehensive research, extensive field trials, working with our major corporate customers and the people who use spot marking paints every day, we formulated this professional unique product for the market.

WORKING WITH OUR CUSTOMERS

Designed and developed with Balfour Beatty in line with their 'ZERO HARM' programme and in conjunction with a host of leading European construction and utility companies, the 'fusion' range is unlike any other spot marking paint currently on the market.

*Evaluated under EC directive 1999/45/EC

HEALTH, SAFETY AND THE ENVIRONMENT

Most other spot and survey marking paints on the market may have a significant negative impact either on the environment or with the user.

Most are an irritant to skin and are harmful to the environment or aquatic life.

ENVIRONMENTAL FEATURES:

- Non - irritant formula*
- Not harmful to the environment*
- Not harmful to aquatic life*
- Up to 90% more paint than similar spot and survey markers
- Effective on damp and 0°C***
- Patented clog - free cap

**Duration may vary due to surface conditions, weather, paint thickness and traffic levels.













*** Applies to Temporary Fusion only

Temporary™ Fusion on dry tarmac



Temporary™ Fusion after being scrubbed with water and a stiff brush



PRODUCT	EXTREMELY FLAMMABLE	IRRITANT	HARMFUL TO THE ENVIRONMENT	PAINT SOLID	EMITS UP TO 60% LESS VOC
FUSION		Not Irritant	Not Harmful	38%	✓
NATIONAL DISTRIBUTION 1 Own Label				21%	✗
NATIONAL DISTRIBUTION 2 Own Label			Not Harmful	19.5%	✗
INDEPENDANT DISTRIBUTOR Own Label			Not Harmful	19.4%	✗
COMPETITOR BRAND 1			Not Harmful	21%	✗
COMPETITOR BRAND 2			Not Harmful	21%	✗



SCAN TO WATCH THE
TEMPORARY FUSION
DEMONSTRATION
VIDEO OR GO TO
www.rocol.com/temporaryfusion



CONTRACTOR® FUSION



Contractor Fusion is formulated to last between 3-6 months**

Other Key Features:

- ▶ Lines required to last 3-6 months**
- ▶ One pass system for bright, durable lines
- ▶ Extra tough 18Bar rated aerosol can
- ▶ Fast Drying - touch dry in 5 minutes
- ▶ Colour coded range for company use
- ▶ Suitable for use on a range of surfaces including: tarmac, asphalt, concrete, grass and soil

43080

White

43081

Yellow

43082

Blue

43083

Red

43084

Green



TEMPORARY™ FUSION



Temporary Fusion is formulated to last between 2-3 months**

Other Key Features:

- ▶ Lines required to last between 2-3 months**
- ▶ One pass system for bright, durable lines
- ▶ Extra tough 18Bar rated aerosol can
- ▶ Fast Drying - touch dry in 5 minutes
- ▶ Suitable for use on a range of surfaces including: tarmac, asphalt, concrete, grass and soil
- ▶ Ideal for pavement spot marking in areas where permanent paint lines do not want to be left after work has been completed**
- ▶ Avoids claims from local authorities by allowing removal of paint before it becomes classed as graffiti after 6 months

44030

White

44031

Yellow

44032

Blue

44033

Red

44034

Green

44035

Grey



SLIP PREVENTION

Reducing the Risk of Slips, Trips and Falls

ROCOL® offer the broadest range of anti-slip products available on the market.

Health and Safety Executive figures show that slips, trips and falls cause the most incidents in the workplace and cost the economy up to £645 million* per year in lost production and healthcare costs. This does not include the costs that individuals can claim for compensation from employers or clients.

* Source: Health & Safety Executive



SAFE STEP® Slip Prevention Product Selector Guide

PRODUCT	DOWNTIME	DESIGN LIFE	COVERAGE	PACK SIZE
Safe Step® Coatings	12 hours	Up to 5 years	Up to 20 m ² Dependant on coating	5L
Safe Step® Tapes, Treads	Minimal	Up to 1 year	Wide range available	5L
Safe Step® Repair & Preparation	Dependant on product	Up to 2 years	Dependant on specification	
MATRIX™ Panels	Minimal	5 years	1150mm x 750mm	1 panel
MATRIX™ Treads	1-2 hours	5 years	280mm x 1200mm	6 panels
Cicol® NT	16 hours	10 + years	Dependant on specification	
ACME® Panels	Minimal	10 + years	Dependant on specification	
ACME® GRP Panels	Minimal	5 years	1.44m x 1.22m	1 panel
Pro-tread™	1-2 hours	15 years	Modular System - Dependant on specification	



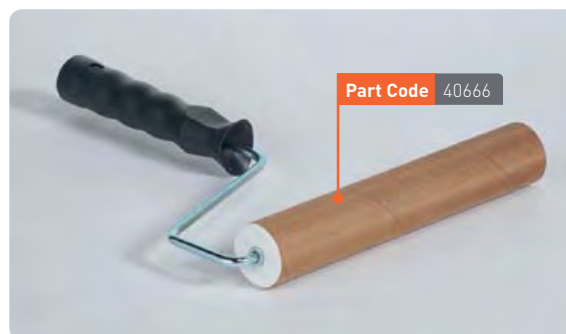
SAFE STEP® FLOOR COATING

Much of the technology employed in the manufacture of SAFE STEP anti-slip products was originally developed for use on the flight decks of Navy aircraft carriers. The coating has been tested to withstand a minimum of 15,000 high impact landings from an aircraft, weighing 32 tonnes and landing at 175 mph.

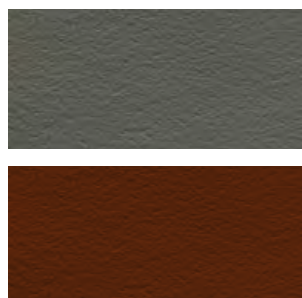
Today, SAFE STEP high performance anti-slip coatings provide a durable anti-slip surface for use in many applications without the need for regular re-application, and their unique profile gives our coatings a guaranteed level of slip resistance.

HARD ROLLER

Suitable for the application of SAFE STEP 50, 100, 200 and 500 SF range of anti-slip products.




SAFE STEP 50



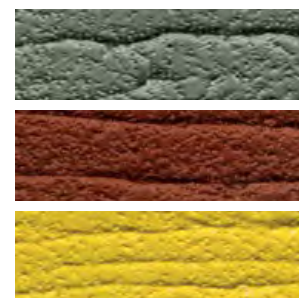
For application in large areas of low pedestrian traffic e.g. factory floors, garages and storage areas.

Key Features:

- ▶ Coverage:
20m² per pack (roller applied)
- ▶ Resin:
Chlorinated Rubber / Alkyd Resin
- ▶ Drying Times:
6 hours light traffic / 16 hours heavy traffic

Description	Part Code	Pack
Grey	43070	5L
Tile Red	43071	5L 


SAFE STEP 100



For application in areas of heavy pedestrian traffic e.g. ramps, steps and work platforms

Key Features:

- ▶ Coverage:
3.7m² per pack (roller applied)
- ▶ Resin:
Styrenated Epoxy Ester
- ▶ Drying Times:
12hours light traffic / 72 hours heavy traffic
- ▶ Resistant to most oils, acids, alkalis and solvents

Description	Part Code	Pack
Grey	43266	5L
Tile Red	43267	5L 
Safety Yellow	43277	5L

WHY IS SAFE STEP® UNIQUE?

- ▶ Unique peak and trough coating
- ▶ Aluminium oxide for durability
- ▶ Thixotropic formulation guarantees slip resistant profile
- ▶ Rough surface pierces contamination for increased grip

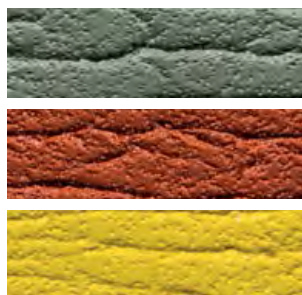
SAFE STEP PRIMER

Two-pack epoxy primers to seal highly porous surfaces & improve adhesion, coverage of top coat and product performance.



Product	Part Code	Pack
Metal Prime	43265	0.75L
Metal Primer	44087	5L
Non-Metal Primer	43284	0.7L


SAFE STEP 200



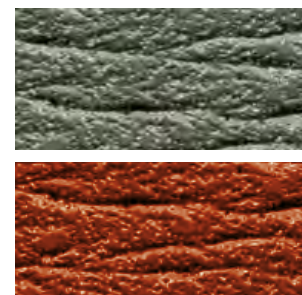
For application in areas of heavy vehicular traffic e.g. fork – lift truck ramps and loading bays

Key Features:

- ▶ Coverage: 5m² per pack (roller applied)
- ▶ Usable Life: 6 hours
- ▶ Curing Times: 24 hours light traffic / 48 hours heavy traffic
- ▶ Resistant to most oils, acids, alkalis, grease, oil, salt water and solvents

Description	Part Code	Pack
Grey	43320	5L
Tile Red	43321	5L 
Safety Yellow	43322	5L


SAFE STEP 500SF



For application in solvent sensitive areas e.g. breweries, food processing facilities, hospitals and confined areas

Key Features:

- ▶ Coverage: 2.7m² - 4.7m² per pack (roller applied)
- ▶ Usable Life: 30-40 minutes @ 21°C
- ▶ Curing Times: 24 hours light traffic / 48 hours heavy traffic

Description	Part Code	Pack
Grey	43323	5L
Tile Red	43324	5L 



SAFE STEP® TREADS & TAPES

Providing an economical and immediate solution to slip problems

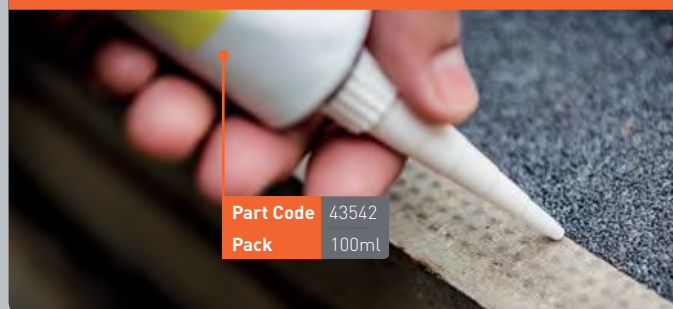


FEATURES & BENEFITS

- ▶ Extremely durable, mineral coated general purpose anti-slip tape.
- ▶ Self-adhesive
- ▶ Water, oil and chemical resistant
- ▶ For internal and external use

EDGE SEALER

For sealing edges around tapes, tiles and treads



Part Code 43542
Pack 100ml

STRONG BOND

For priming porous surfaces prior to application of tapes, tiles and treads



Part Code 43541
Pack 500ml

STANDARD TAPE



Ideal for doorways, entrances, exercise equipment, ladders, machinery platforms, porches, ramps, scaffolding, steps, walkways and ramps.

Description	Part Code	Pack
25mm x 18.25m	43530	Roll
50mm x 18.25m	43531	Roll
100mm x 18.25m	43532	Roll
150mm x 18.25m	43533	Roll

HIGH-VIS TAPE



For general use and where visibility is of particular importance, e.g. basement stairways

Description	Part Code	Pack
50mm x 18.25m	43540	Roll

HAZARD TAPE



Contrasting colours call attention to hazardous machinery, work areas or stairs.

Description	Part Code	Pack
50mm x 18.25m	43547	Roll

STANDARD TREADS



Ideal for stairs and doorways

Description	Part Code	Pack
150mm x 600mm	43534	50
150mm x 600mm	43535	10

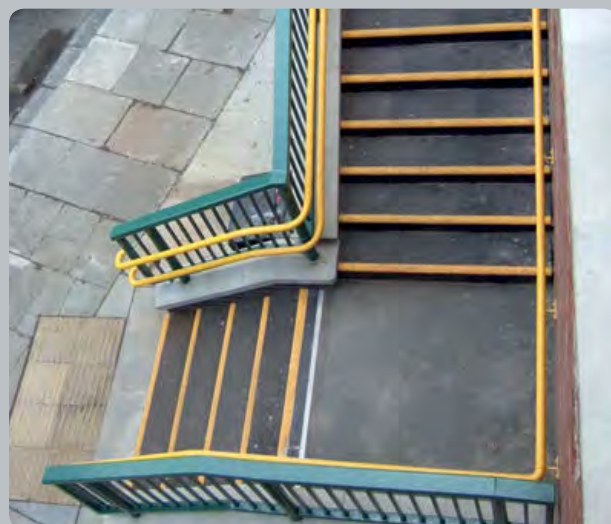


SAFE STEP® ANTI-SLIP SPRAY



FEATURES & BENEFITS

- ▶ A quick-fix anti-slip coating, ideal for small areas
- ▶ Transparent
- ▶ Suitable for interior and exterior use
- ▶ Suitable for pedestrian traffic
- ▶ Durability approximately 6 months, dependent upon application
- ▶ Coverage 1.5-2m² per 400ml aerosol
- ▶ Application temperature between 5-30°C

**PART CODE****45000****SIZE****400ml**

SAFE STEP® MATRIX™

Immediate anti-slip solution

TYPICAL APPLICATIONS

- ▶ Slippery surfaces
- ▶ Kitchens
- ▶ Ramps
- ▶ Workstations
- ▶ Walkways
- ▶ Stairs and steps
- ▶ Food production areas
- ▶ Open mesh catwalks
- ▶ Chequer plate



The unique, patented grid design of SAFE STEP MATRIX enables both panels and treads to be cut quickly and easily on site to suit any particular layout.



ANTI-MICROBIAL FEATURES:

- ▶ Effective over a wide spectrum of bacteria
- ▶ Tests based on AATCC 100 method using *Salmonella typhimurium*, *Listeria monocytogenes*, *staphylococcus aureus* and *Escherichia coli*.
- ▶ Will not wash off
- ▶ Independently tested



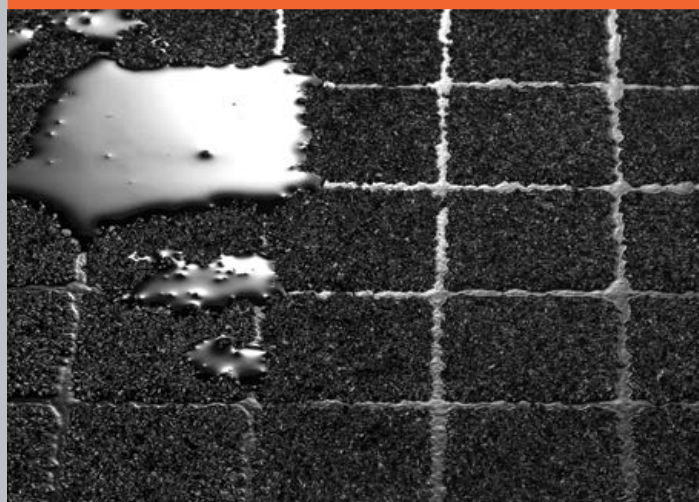


"THE PROJECT WAS COMPLETED ON TIME
AND THIS WAS LARGELY DUE TO THE EASE
OF APPLICATION OF THE PANELS"

CHRIS CLIFFORD, SECTION ENGINEER AT BAM NUTTALL



SAFE STEP® MATRIX™




SAFE STEP MATRIX is available as
flat panels for flooring or treads for steps.
It is also available in two colours, black
and yellow

Description	Colour	Part Code
1150mm x 750mm	Black	43300
1150mm x 750mm	Yellow	43302
280mm x 1200mm	Black	43306
280mm x 1200mm	Yellow	43308

SAFE STEP® GRP PANELS

SAFE STEP GRP panels available in black.

Part Code	Size (WxL)
43358	1.2m x 2.4m 

CICOL® NT

The UK's most specified, premier anti-slip coating

The CICOL NT system has an unrivalled track record over the past 35 year in skid and slip prevention. It is a tar free combined anti-skid wearing couse and waterproof membrane and is the first choice solution for steel, concrete and aluminium substrates when a light weight anti-skid surfacing is essential.

Used consistently across the UK, from the Humber Bridge to Dover Harbour and by customers such as Coca-Cola and the British Army.

Features and Benefits

- ▶ Light weight - Only 10-20kgs per square metre depending upon specification
- ▶ A range of dressing aggregates is available to meet the required skid resistance values
- ▶ Completely waterproof, no separte membrane or anti-corrosion treatment needed
- ▶ Excellent chemical resistance against fuels, oils and de-icers.
- ▶ Design life in excess of 20 years and fully documented case histories

The use of CICOL NT is not confined to the above structures where its light weight properties are a distinct advantage. There are many instances where its other properties make it an ideal choice of surfacing.

A range of decorative aggregates can be used in conjunction with CICOL NT. Use of these aggregates have a shorter design life and should only be considered for pedestrian areas.

Note: CICOL NT has superseded the original CICOL ET version, in line with new Health and Safety regulation.

Applied at Dover Harbour



Light weight for Tower Bridge bascules



DESCRIPTION	PART CODE	SIZE
CICOL NT Slurry Kit	44330	25KG
CICOL NT Slurry Kit	44334	50KG
CICOL NT Slurry Kit	44337	100KG
CICOL NT Slurry Kit	44340	1000KG
CICOL NT Concrete Primer	43203	4.5L
CICOL NT Concrete Primer	43204	12.5L



ACME® PANELS

The UK's most specified load bearing and overlay engineered anti-slip decking system

ACME Panels are made-to-order anti-slip decking systems, engineered to fit a wide range of applications; from structures around machinery to complex bridge and platform constructions.

The success of the decking panel concept is that the resin encapsulated are pre-manufactured to BS EN ISO 9001 quality standards and then installed on site as a finished product. This ensures minimum downtime even during the most adverse weather conditions.

Used on consistently across the UK from Europe's busiest railway station Clapham Junction to Tower Bridge and by customers such as English heritage and British Aerospace.

ACME Panels have been successfully installed within the automotive, aerospace, rail and power generation industries, as well as in brewers, hospitals, universities and schools.

Features and Benefits

- ▶ A durable, anti-slip solution for pedestrian or vehicular traffic
- ▶ Design life in excess of 15 years limits the frequency of refurbishment work saving considerable cost long term
- ▶ Custom - made to exact project requirements
- ▶ Available in 3 colours - yellow, grey & black
- ▶ Impact resistant, chamfered edge for increased safety SRA/DDA compliant with a choice of yellow or white sightlines
- ▶ Chemical resistant
- ▶ Fully documented history

ACME FIRE RESISTANT PANELS

Reducing the risk of slips, trips and fire hazards

- | ▶ RAILWAY | ▶ INDUSTRY | ▶ STRUCTURES |
|----------------------|--------------------|--------------------|
| Platforms | Suspended flooring | Foot/swing bridges |
| Switch points | Mezzanine | Gantries |
| Track crossings | Staircases & Ramps | RoRo's & Pontoons |
| Under run protection | | |
- ▶ Compliant with reaction to fire standard EN13501-1:2007 + A1:2009, achieving BFL-S1.
 - ▶ Available in a range of thicknesses, colours and textures. Suitable for varied load bearing ratings

Fire Resistant Panel



Safe anti-slip decking for station platforms



Used on Clapham Junction railway station



Hi-Vis point board

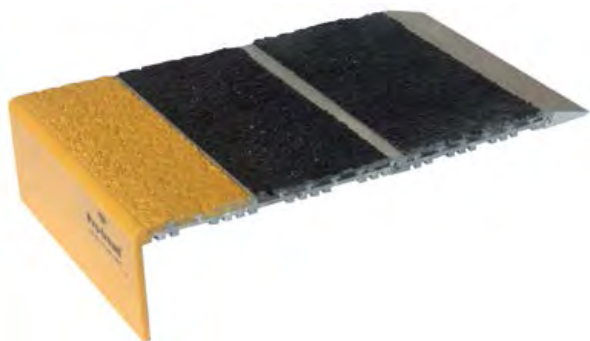


PRO-TREAD™

Provides a safe, anti-slip surface for areas of heavy-duty pedestrian traffic



PRO-TREAD TREAD



FEATURES & BENEFITS

- ▶ Made from extruded aluminium and a solvent free infill
- ▶ Quick and simple to install ensuring minimal disruption
- ▶ Suitable for both interior and exterior applications
- ▶ Slip resistant surface in both wet and dry conditions
- ▶ Withstands high volumes of traffic
- ▶ Design life in excess of 15 years
- ▶ Impact resistant stair nosing giving product longevity
- ▶ Colour co-ordinated, DDA compliant, sightline and nosing for maximum visibility
- ▶ SRA compliant
- ▶ Can be installed over almost any material including concrete, metal, wood, tile, marble and stone
- ▶ Available in 4 colour combinations - yellow, grey, black and white

DESCRIPTION	PART CODE	SIZE
PRO-TREAD Nosing	40806	150mm
PRO-TREAD Tread	40810	50mm
PRO-TREAD Tread	40812	150mm
Chamfer	40820	30mm



SAFE STEP® REPAIR

Asphalt Repair Compound

Durable and long lasting cold lay bitumen macadam developed specifically for :

- ▶ The repair of holes in macadam (asphalt)
 - ▶ Other paved areas e.g. car parks, walkways, cycle paths etc.
- It can be laid in all weather conditions and can be driven over immediately after application.

FEATURES AND BENEFITS

- ▶ Ready for heavy traffic immediately after laying
- ▶ Can be laid in all weather conditions
- ▶ Resistant to oil
- ▶ Quick and easy to use. Can be carried to site in easy to handle containers
- ▶ Coverage: 0.75m² per 25kg pack (10mm thickness)



PART CODE

42031

SIZE

25KG

Concrete Repair Compound



KEY FEATURES & BENEFITS:

- ▶ Rapid Setting and ready for heavy use in 4 hours
- ▶ Highly resistant to impact and scuffing, abrasion, water, steam, oils and most common chemicals and solvents.
- ▶ One part product - simply add water prior to use
- ▶ Yield: 12.5 litres per 25kg unit
- ▶ For internal and external use
- ▶ Ideal for medium to large repairs

PART CODE	SIZE
42025	25KG

Heavy Duty Epoxy Repair Compound



KEY FEATURES & BENEFITS:

- ▶ Full mechanical performance in less than 24 hrs
- ▶ Does not shrink or dust
- ▶ Chemical resistant compound
- ▶ For internal and external applications
- ▶ Coverage: 0.5 m² per 5kg pack (5mm thickness)*

* This figure makes no allowance for substrate profile, uneven application or losses in containers.

PART CODE	SIZE
42036	5KG



PACERS®

Reduce heavy traffic to 5mph

The PACERS system is recognised internationally as one of the most effective methods of speed reduction and has been successfully utilised for over 25 years.

Manufactured from hard tough, high impact virgin rubber, our PACERS speed bumps are ideal for areas of intense, heavy traffic such as manufacturing sites, large retail parks and hospitals.

FEATURES & BENEFITS

- ▶ Optimised hardness for force and compression by all types of vehicles up to 44 tons
- ▶ Guaranteed durability - typical design life in excess of 10 years
- ▶ Modular construction for easy installation and relocation
- ▶ Supports up to 44 tons when fitted to specifications
- ▶ Integrated red and green cats eyes which provide maximum visibility for the ramps at night and allow night time directional traffic flow
- ▶ Grooved surface assisting traction in wet and icy conditions
- ▶ Opening for steel pole to align the modules, which can be substituted for cables and hoses in temporary applications
- ▶ Expandaplug fixing system for use in concrete and asphalt

Description	Part Code	SIZE (DxWxH)
PACERS (1 pair)	40930	410 x 250 x 68mm
PACERS END CAPS (1 pair)	40931	
Expandaplugs (pack of 4)	40934	

SUPPORTS UP TO 44 TONS



PACERS



LINE MARKING MADE EASY

IT PERFORMS BRILLIANTLY

- ▶ Twice as durable as any other paint on the market
- ▶ UV-stable
- ▶ Chemically-resistant
- ▶ Super-tough traffic-grade

IT'S QUICK AND EASY TO USE

- ▶ Touch dry in 10 minutes
- ▶ Ready for action in 20 minutes
- ▶ Intuitive EASYLINE Applicator
- ▶ Professional quality lines

IT'S EXCELLENT VALUE FOR MONEY

- ▶ 100% more paint than most other systems
- ▶ Up to 100m of a 50mm wide line
- ▶ Lasts twice as long as nearest competitor
- ▶ No need for expensive contractors

IT'S SAFE

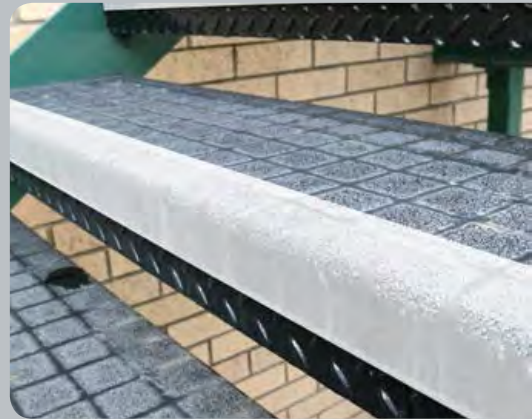
- ▶ Conforms to ISO standards
- ▶ Lowest VOC system on the UK market
- ▶ Environmentally safe
- ▶ Not toxic, corrosive, harmful or classed as an irritant



IF YOU NEED
ANY MORE
INFORMATION
PLEASE CONTACT:

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ROCOL®

Maintenance Solutions

Technically advanced lubricants and greases
for all your maintenance needs

Performance you can trust



LUBRICANT SELECTOR APPLICATION

THE DIGITAL
WAY TO
CHOOSE
THE CORRECT
LUBRICANT



HISTORY OF EXCELLENCE

At ROCOL® we manufacture a range of innovative greases, oils, metalworking fluids, lubricants, aerosol paints, anti-slip floor coatings and panels – all designed to exceed today's challenging operating conditions.

Over the last 130 years, we have expanded considerably and offer solutions to nearly every facet of industry with over 150 distributors stocking and supplying the product range worldwide.

ROCOL® has worked with some of the world's leading companies in many diverse industries and applications, developing products with one common goal: to deliver optimum performance.

We pride ourselves on producing technically advanced products with industry needs at the core. Each and every product has been developed in the spirit ROCOL® is renowned for:

- ▶ Trusted Superior Performance
- ▶ Problem Solving
- ▶ High Quality
- ▶ Technical Innovation
- ▶ Excellent Technical and After-Sales Support.



ROCOL® operates to internationally recognised standards for quality, environment and safety. Also, we are proud of our Investor in People accreditation which demonstrates our commitment to the continual engagement and development of our people.

QUALITY



ENVIRONMENT



SAFETY



PEOPLE



INVESTORS
IN PEOPLE

ASSURANCE



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INDUSTRIAL BEARING GREASES

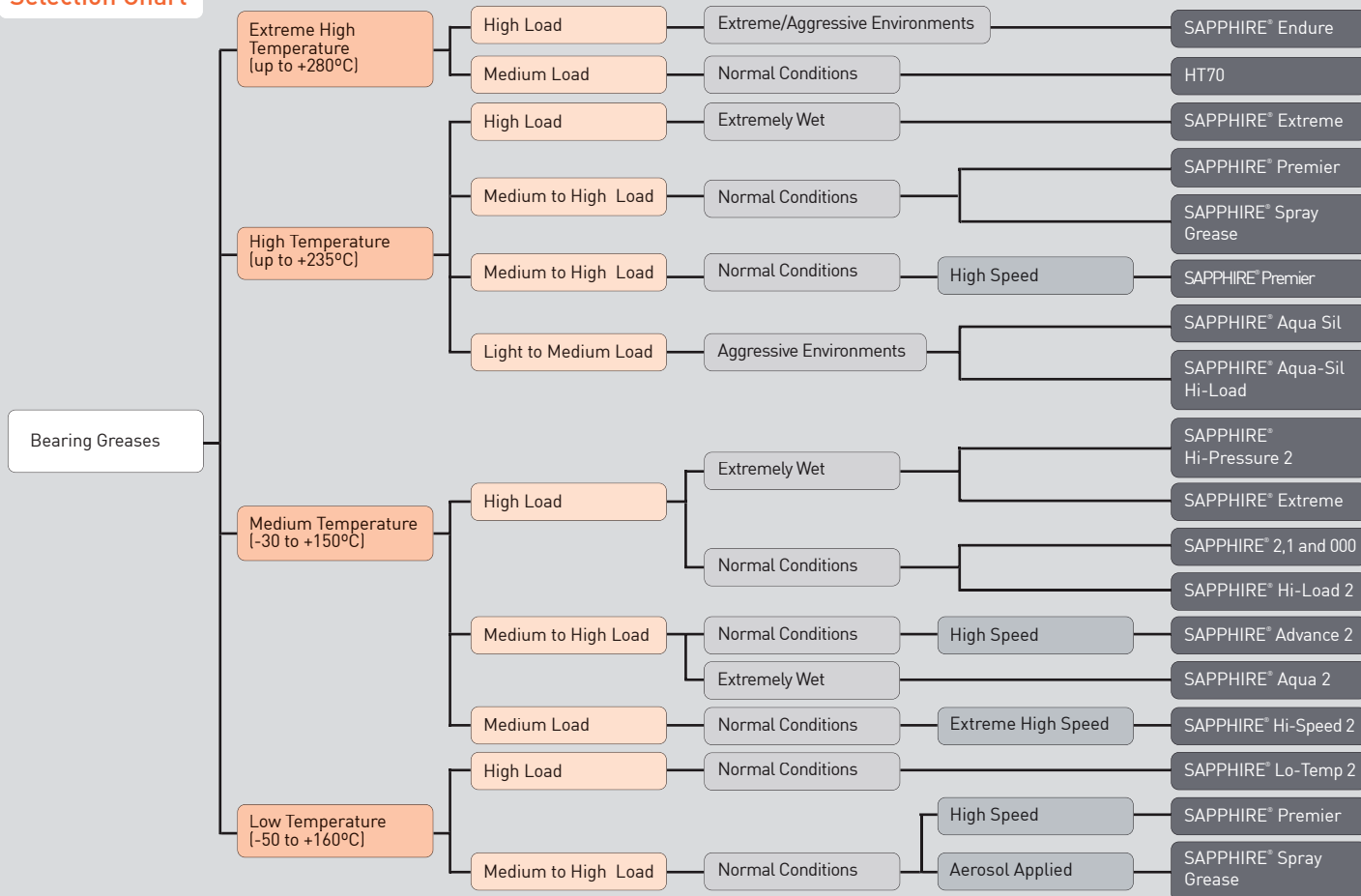


The ROCOL® SAPPHIRE® bearing grease range will provide effective long term lubrication and meet the ever increasing needs of today's production environment.

There is a wide range of bearing greases under the SAPPHIRE® banner designed to encompass the widest possible range of industrial operating conditions. The SAPPHIRE® bearing greases provide industry with an easily identifiable range of high performance lubricants which have been developed to extend bearing life, provide superior corrosion protection and are suitable for all bearing types.



Selection Chart



If you require help in selecting a product, **contact ROCOL® direct: +44 (0) 113 232 2600**

SAPPHIRE®

High performance, triple life bearing grease

Revolutionary long life bearing grease for optimum lubrication. Suitable for all types of ball, roller and plain bearings.

- ▶ Triple life bearing grease
- ▶ Extreme load and wear performance
- ▶ Extended lubrication intervals
- ▶ Revolutionary multi complex grease
- ▶ Good corrosion resistance
- ▶ Temperature range -30°C to +150°C.

Description	Part Code	Size
NLGI 2	12171	400g
	12176	5kg
	12175	18kg
	12178	50kg
	12179	185kg
NLGI 1	12601	400g
	12614	18kg
	12608	50kg
	12609	185kg
	12276	5kg
NLGI 000	12284	18kg



SAPPHIRE® Spray Grease

Versatile, multi-purpose, synthetic spray grease with PTFE

A high performance, fully synthetic multi-purpose grease supplied in an aerosol for ease of application and convenience.

- ▶ Extreme high and low temperature capability
- ▶ High speed applications such as fan and motor bearings
- ▶ Extended lubrication intervals
- ▶ Ideal electrical contact grease
- ▶ Compatible with most plastics and rubbers
- ▶ Fortified with PTFE
- ▶ Available in grease form - SAPPHIRE Premier 2
- ▶ Temperature range -50°C to +200°C.

Part Code	Size
34305	400ml



SAPPHIRE® Advance 2

Ultimate, multi-purpose grease particularly for high speed applications

The definitive multi-purpose grease offering outstanding performance when compared to other conventional greases. Excels in high speed applications such as electric motors and fan bearings.

- ▶ Outstanding extreme pressure performance
- ▶ Fortified with PTFE
- ▶ Designed for high load, high speed and rapid start-stop applications
- ▶ Good corrosion resistance
- ▶ Temperature range -30°C to +160°C.

Description	Part Code	Size
NLGI 2	12441	380g
	12446	18kg



SAPPHIRE® Premier

Versatile, multi-purpose, synthetic grease with PTFE

A high performance, fully synthetic multi-purpose grease designed for all types of antifriction bearings operating in extreme conditions.

- ▶ Extreme high and low temperature capability
- ▶ High speed applications such as fan and motor bearings
- ▶ Extended lubrication intervals
- ▶ Ideal electrical contact grease
- ▶ Compatible with most plastics and rubbers
- ▶ Available in an aerosol form - SAPPHIRE® Spray Grease
- ▶ Temperature range -50°C to +200°C.

Description	Part Code	Size
NLGI 2	12471	380g
	12475	4kg
	12474	18kg
	12479	170kg



SAPPHIRE® Lo-Temp 2

High performance, low temperature grease for improved bearing life

A revolutionary, multi-complex, semi-synthetic grease designed for excellent performance at extremely low temperatures. Ideal for cold stores and other refrigerated areas.

- ▶ Low start up and running torques
- ▶ Triple life bearing grease
- ▶ Extreme load and wear performance
- ▶ Revolutionary multi-complex grease
- ▶ Extended lubrication intervals
- ▶ Temperature range -50°C to +120°C.



Description	Part Code	Size
NLGI 2	12741	400g
	12744	18kg



SAPPHIRE® Aqua 2

Water resistant bearing grease

A high performance grease designed to give superior resistance to water washout. For use in all types of ball, roller and rolling bearings.

- ▶ Outstanding long term water resistance, even when submerged
- ▶ Excellent corrosion protection
- ▶ Extended lubrication intervals
- ▶ Good load and wear performance
- ▶ Temperature range of -20°C to +150°C.

Description	Part Code	Size
NLGI 2	12751	380g
	12755	4kg
	12754	18kg
	12758	50kg



SAPPHIRE® Hi-Load 2

Heavy duty, soap grease containing molybdenum disulphide for maximum bearing life

A long life, soap thickened bearing grease particularly suited for slow moving bearings subjected to heavy loads, shock and vibration.

- ▶ Triple life bearing grease
- ▶ Extreme load and wear performance
- ▶ Extended lubrication intervals
- ▶ Revolutionary multi complex grease
- ▶ Good corrosion resistance
- ▶ Temperature range -30°C to +150°C.

Description	Part Code	Size
NLGI 2	12761	400g
	12765	5kg
	12764	18kg



SAPPHIRE® Hi-Pressure 2

Heavy duty, clay thickened grease containing molybdenum disulphide for enhanced bearing life in plain bearings

Long life clay thickened bearing grease containing molybdenum disulphide. For slow moving plain bearings subjected to heavy loads, shock and vibration.

- ▶ Extreme load and wear performance
- ▶ Excellent corrosion protection
- ▶ High resistance to water wash out
- ▶ Extended lubrication intervals
- ▶ Temperature range -20°C to +150°C.

Description	Part Code	Size
NLGI 2	12011	400g
	12016	5kg
	12024	18kg
	12018	50kg



SAPPHIRE® Hi-Speed 2

Extreme, high speed grease for applications where conventional greases fail

A unique synthetic grease designed specifically for high speed applications such as machine tool spindles, centrifuges and dynamometers.

- ▶ Extreme high speed capability up to 1,250,000 dmN
- ▶ Excellent load carrying capacity
- ▶ Temperature range of -40°C to +120°C.



Description	Part Code	Size
NLGI 2	12051	380g
	12055	18kg



SAPPHIRE® Extreme 2

High temperature, heavy duty, shock resistant grease containing molybdenum disulphide

High performance, long life bearing grease containing molybdenum disulphide for use in plain and rolling bearings operating in arduous conditions.

- ▶ Excellent resistance to vibration and shock loads
- ▶ Very stable at high temperatures
- ▶ Extreme load and wear performance
- ▶ Extended lubrication intervals
- ▶ Good corrosion resistance
- ▶ Temperature range -10°C to +235°C.

Description	Part Code	Size
NLGI 2	12211	400g
	12216	5kg
	12214	18kg
	12218	50kg



SAPPHIRE® Endure

Premium, long- life, chemical resistant lubricant

High performance, perfluoropolyether, extreme pressure grease fortified with PTFE. Designed to operate where conventional greases fail due to chemical contamination or attack.

- ▶ Extreme chemical and solvent resistant
- ▶ Resists caustic wash down
- ▶ Greatly extends lubrication intervals
- ▶ Excellent high load and anti-wear properties
- ▶ Extremely stable at high temperatures
- ▶ Approved by Rolls Royce for use on Harrier Pegasus Thrust Nozzle Drive Mechanism
- ▶ Also approved for Submarine Clearance
- ▶ Temperature range of -10°C to +280°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified.

Part Code	Size
12330	100g
12331	700g
12334	1kg
12336	5kg
12337	18kg



HT70

Extremely high temperature bearing grease for slow speeds

A unique molybdenum disulphide grease for slow moving, high temperature bearing applications.

- ▶ Ideal for rotary rack oven bottom bearings
- ▶ Designed for slow speed applications typically below 300rpm
- ▶ Extremely slow evaporation at elevated temperatures
- ▶ Minimal deposit formation against conventional lubricants
- ▶ Molybdenum disulphide provides emergency lubrication
- ▶ Temperature range of +180°C to +300°C.

Part Code	Size
12106	4kg



SAPPHIRE® Aqua-Sil

Potable water and chemically resistant silicone grease

A high temperature, translucent silicone grease approved for use with potable water. Designed for the lubrication of slow speed bearings, slides and similar applications.

- ▶ Water Regulations Advisory Scheme - Approved Product
- ▶ Excellent high temperature performance range
- ▶ Ideal for the assembly of rubber 'O' rings and seals
- ▶ Good resistance to chemicals, oils, water and gasses
- ▶ Compatible with most rubbers and plastics
- ▶ Approved for use with hot or cold drinking water
- ▶ Temperature range of -40°C to +200°C.



Description	Part Code	Size
NLGI no. 3	12251	85g
	12253	500g
	12256	5kg



SAPPHIRE® Aqua-Sil Hi-Load

Heavy duty, potable water and chemically resistant silicone grease

A high temperature, dark grey silicone grease, containing molybdenum disulphide approved for use with potable water. Recommended for the lubrication of bearings, slides and valves operating under heavy loads in aggressive environments.

- ▶ Water Regulations Advisory Scheme - Approved Product
- ▶ Excellent high temperature performance range
- ▶ Particularly suited for larger valves and assemblies common to water treatment plants
- ▶ Good resistance to chemicals, oils, water and gasses
- ▶ Compatible with most rubbers and plastics
- ▶ Approved for use with hot or cold drinking water
- ▶ Temperature range of -40°C to +200°C.



Description	Part Code	Size
NLGI no. 3	12263	500g
	12266	5kg



SAPPHIRE® UNILUBE

High performance, triple life bearing grease dispenser for continuous lubrication

A gas activated lubricant dispenser filled with SAPPHIRE® Advance 2 triple life bearing grease. The system provides consistent and constant lubrication of all types of ball, roller and plain bearings.

- ▶ Selectable 1,3,6, or 12 month dispensing periods
- ▶ Fully automatic
- ▶ Easy to install and maintain
- ▶ Ideal for non-accessible areas
- ▶ Grease temperature range -30°C to +150°C
- ▶ Unilube temperature range 0°C to +40°C.

Part Code	Size
13012	120ml



SAPPHIRE® Autolube

Triple life electromechanical grease dispenser for trouble free lubrication

Electromechanical, fully automatic lubrication system filled with SAPPHIRE® Advance 2 triple life bearing grease. The unit delivers exact quantities of grease over varied time periods, to all types of ball, roller and plain bearings.

- ▶ Can be set for up to 36 months lubrication
- ▶ Easy to install and maintain
- ▶ Ideal for non-accessible areas
- ▶ Grease temperature range -30°C to +150°C
- ▶ Autolube temperature range 0°C to +50°C.

Part Code	Size
12604	120ml
*12600	120ml

*Refill only



INDUSTRIAL CHAIN LUBRICANTS



ROCOL® offer a comprehensive range of lubricants designed to rapidly penetrate chain links and pins and operate in a wide range of environments.

Whatever the type of drive or conveyor chain in use, ROCOL® can provide a lubricant to ensure trouble free operation – cutting expensive downtime and productivity loss.



CHAIN & DRIVE Spray

High performance chain lubricant with exceptional penetration, corrosion protection and lubrication properties

Highly versatile, high performance, chain lubricant suitable for all types of drive and conveyor chains in a convenient aerosol can.

- ▶ Multi-purpose drive and conveyor chain lubricant
- ▶ Unbeatable corrosion protection
- ▶ Ideal for wet and humid conditions
- ▶ Good water displacing properties
- ▶ Highly water repellent
- ▶ Excellent anti-wear performance
- ▶ Approved to RAF, Naval and NATO Standards
- ▶ Temperature range -30°C to + 150°C.

Part Code	Size
22001	300ml



CHAIN & DRIVE Fluid

Multi-purpose chain lubricant for maximum penetration and lubrication

Highly versatile, high performance, chain lubricant suitable for all types of drive and conveyor chains.

- ▶ Good load carrying properties
- ▶ Excellent penetration into links and pins
- ▶ Good resistance to water wash off
- ▶ Outstanding corrosion protection
- ▶ Long term lubrication
- ▶ Temperature range -15°C to +120°C.

Part Code	Size
22306	5l
22309	20l



CHAINGUARD Hi-Load Spray

High performance, heavy duty, molybdenum disulphide chain lubricant

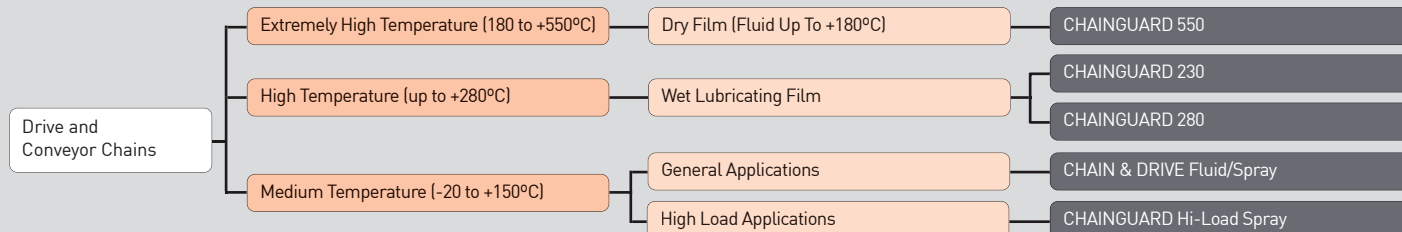
High performance, aerosol chain lubricant containing molybdenum disulphide for use in the most arduous conditions. Ideally suited for use on all types of chains under heavy loads.

- ▶ Heavy duty, multi-purpose drive and conveyor lubricant
- ▶ Ideal for fork lift truck chains
- ▶ Fortified with molybdenum disulphide for exceptional load and wear resistance
- ▶ Excellent corrosion protection
- ▶ Ideal for wet and humid conditions
- ▶ Good water displacing properties
- ▶ Highly water repellent
- ▶ Temperature range -30°C to +180°C.

Part Code	Size
22141	300ml



Selection Chart



If you require help in selecting a product, **contact ROCOL® direct: +44 (0) 113 232 2600**



CHAINGUARD 230

Versatile, wet film chain lubricant up to +230°C

Highly versatile, high performance, chain lubricant suitable for all types of drive and conveyor chains.

- ▶ Ideal for all conveyor chains & bearings
- ▶ Long wet-life allowing extended lubrication frequencies
- ▶ Can be used in automatic lubricators
- ▶ Good corrosion protection
- ▶ Temperature range -10°C to +230°C.

Part Code	Size
22255	5l
22265	20l

CHAINGUARD 280

Multi-purpose, wet film chain lubricant up to +280°C which is particularly good for automatic lubricators

High performance extreme pressure oven chain lubricant for all types of high temperature drive and conveyor chains.

- ▶ Ideal for use in automatic lubricators
- ▶ Solvent free formulation
- ▶ Excellent penetration into the chain
- ▶ Good corrosion protection
- ▶ Clean, residue free film
- ▶ Temperature range 0°C to +280°C.

Part Code	Size
22235	5l
22236	20l

CHAINGUARD 550

Extreme, dry film graphited chain lubricant up to +550°C

Graphited, dry film chain lubricant for extremely high temperature drive and conveyor chains where conventional lubricants fail.

- ▶ High load carrying performance
- ▶ Clean evaporating base oil
- ▶ Does not contain solvents
- ▶ Temperature range; fluid film range -10°C to +180°C
- ▶ Temperature range; dry film up to +550°C.

Part Code	Size
22076	5l
22075	20l



INDUSTRIAL GEAR OILS



SAPPHIRE® Hi-Torque

High performance gear oil with start up protection system

A range of high performance, thermally stable semi-synthetic extreme pressure gear oils incorporating SUPS to provide maximum protection in all types of gearboxes.

- ▶ SUPS – A unique protection for gear teeth on start up and in use
- ▶ Incorporates blue dye for high visibility
- ▶ Long life reduces the need for frequent draining
- ▶ Superior EP load carrying performance
- ▶ Excellent corrosion protection
- ▶ Very low foaming in operation
- ▶ Temperature range -20°C to +120°C.

Description	Part Code	Size
Hi-Torque 150	21055	20L
	21059	200L
Hi-Torque 220	21016	5L
	21015	20L
	21019	200L
Hi-Torque 320	21025	20L
	21029	200L
Hi-Torque 460	21035	20L
	21039	200L
Hi-Torque 680	21045	20L



ASO Oil Reinforcement

Molybdenum disulphide additive to enhance performance of basic mineral oils.

Oil reinforcement containing extremely fine particles of molybdenum disulphide for addition to all types of basic mineral oils to form a stable suspension.

- ▶ Can be added to mineral oils already in use in gearboxes and bearings
- ▶ Ideal for use in all electrical switchgear
- ▶ Increases load carrying and wear resistance properties
- ▶ Protects during initial start up
- ▶ Miscible with all types of mineral oil
- ▶ Does not affect viscosity of base oil already in use.

Part Code	Size
16016	5L



OPEN GEAR LUBRICANTS



TUFGEAR UNIVERSAL

Heavy duty open gear lubricant

A heavy duty open gear grease containing a blend of high load carrying solids.

- ▶ Suitable for use in strong under water currents and high loads
- ▶ Excellent corrosion resistance to protect in humid, damp and wet conditions
- ▶ Outstanding EP performance
- ▶ Excellent adhesion to gear teeth – no fling
- ▶ Reduces equipment failure and downtime
- ▶ Approved to NATO, Naval and RAF Standards
- ▶ Temperature range -40°C to +120°C.

Part Code	Size
18302	400g
18305	5kg
18304	18kg

TUFGEAR SPRAY

Heavy duty open gear lubricant

A high viscosity, heavy duty open gear grease containing a blend of high load carrying solids to provide excellent anti pitting properties.

- ▶ Excellent corrosion resistance to protect in humid, damp and wet conditions
- ▶ Outstanding EP performance
- ▶ Thin film minimises attraction of dust and dirt
- ▶ Excellent load carrying capacity and resistant to water
- ▶ Approved to NATO Standards
- ▶ Temperature range of -10°C to +100°C.

Part Code	Size
18105	400ml

TUFLUBE ALLWEATHER

Highly versatile, totally water resistant lubricant that can even be used when fully submerged

A highly adhesive lubricant designed for effective lubrication and protection in extremely wet and highly loaded environments.

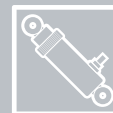
- ▶ Outstanding EP performance
- ▶ Excellent corrosion resistance to protect in humid, damp and even wet conditions
- ▶ Highly resistant to water wash off
- ▶ Tenacious, self-repairing film
- ▶ Pumpable and can be applied through automatic lubricator
- ▶ Free from bitumen and solvents
- ▶ Temperature range -30°C to +70°C.

Part Code	Size
18271	400g
18276	5kg
18244	18kg



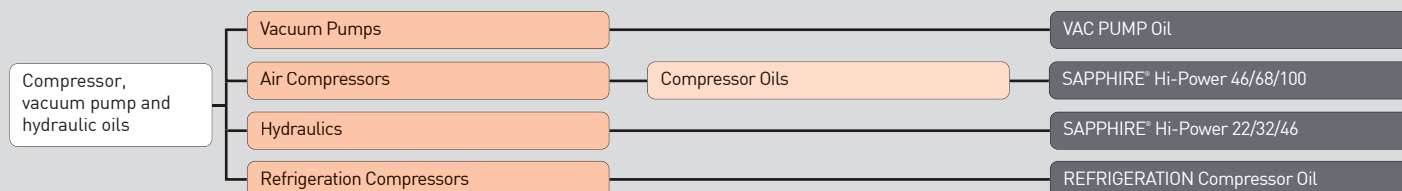
INDUSTRIAL COMPRESSOR AND HYDRAULIC OILS

COMPRESSOR AND
HYDRAULIC OIL



ROCOL® manufacture a comprehensive range of compressor and hydraulic oils which are designed to provide extended service life, thereby reducing maintenance time and costs.

Selection Chart



If you require help in selecting a product, **contact ROCOL® direct: +44 (0) 113 232 2600**

SAPPHIRE® Hi-Power

Versatile range of oils for compressor, hydraulic and airline systems

A range of mineral oil based thermally stable lubricating oils suitable for use in both hydraulic and air compressors systems due to their unique formulation.

- ▶ Unique L-CO system, reduces carry over, hence reducing oil consumption
- ▶ Premium quality ensures no sludge, deposits or varnish build up
- ▶ Enhanced oxidation stability
- ▶ Low foaming
- ▶ Blue dye for high visibility
- ▶ Excellent filterability
- ▶ Temperature range -20°C to +120°C.

Description	Part Code	Size
Hi-Power 22	52525	20L
Hi-Power 32	52545	20L
	52549	200L
Hi-Power 46	52555	20L
	52559	200L
Hi-Power 68	52565	20L
	52569	200L
Hi-Power 100	52575	20L
	52579	200L



REFRIGERATION Compressor Oil

Non waxing fluid for most types of refrigeration compressors

A low temperature lubricant specifically designed for refrigeration compressor systems.

- ▶ No waxing
- ▶ Clean fluid in operation – suitable for recirculation
- ▶ Compatible with all common refrigerants including ammonia
- ▶ Low carry over into refrigerant, reducing oil consumption
- ▶ Extremely low pour point -45°C.

Part Code	Size
31009	200L



VAC PUMP Oil

Food grade lubricant for extended vacuum pump life

High performance lubricating fluid for use in all vac pumps.

- ▶ Extended life
- ▶ Suitable for high load and high pressure conditions
- ▶ Clean and low odour
- ▶ Low deposit formation
- ▶ Prevents corrosion from moisture ingress
- ▶ Ideal for use as a gear box flushing oil
- ▶ Temperature range -5°C to +130°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified.

Part Code	Size
16806	5L
16805	20L



INDUSTRIAL ANTI-SEIZE AND ASSEMBLY

ANTI-SEIZE AND
ASSEMBLY

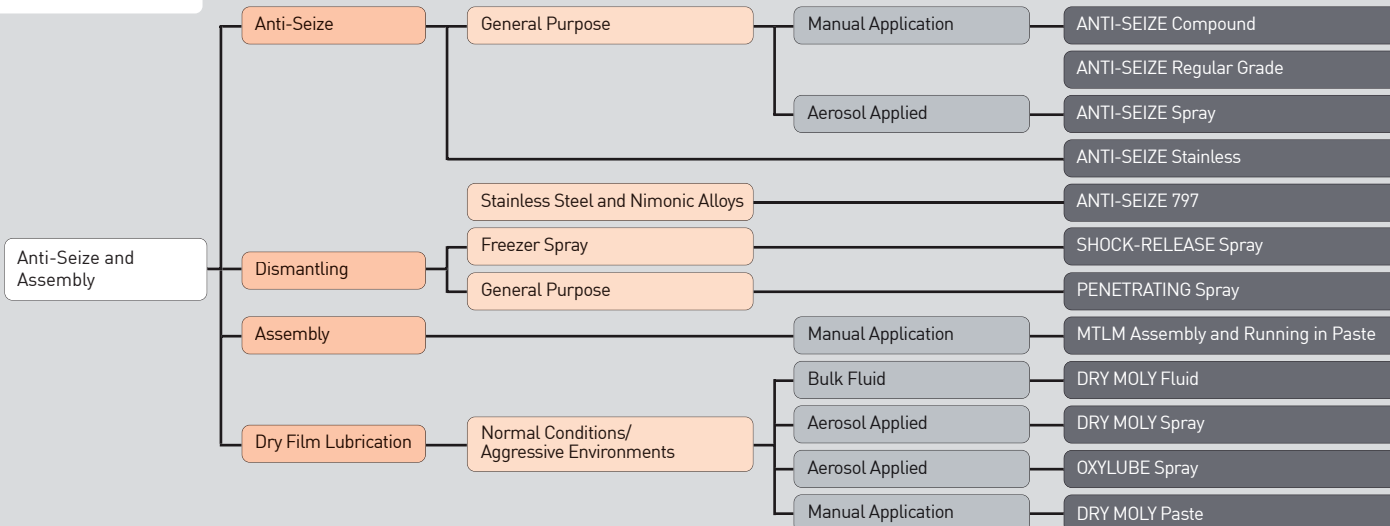


Seizure of fasteners presents a major inconvenience in many repair and maintenance situations, adding to both the time and cost of the job.

ROCOL® provide a range of premium quality anti-seize products which will protect fasteners against wet, dirty and hot conditions as well as from chemical attack, easing future dismantling thereby reducing downtime and costs.

ROCOL® assembly and dry film products provide either a totally or almost dry thin MoS² (moly) film of exceptionally high load carrying strength for application in areas where conventional lubricants fail or are inappropriate.

Selection Chart



ANTI-SEIZE Compound

Multi-purpose anti-seize with excellent corrosion protection

Copper based anti-seize to prevent seizure and galling of all threaded and static fasteners.

- ▶ Excellent resistance to water
- ▶ Highly resistant to salt water environments
- ▶ Can be used sub sea
- ▶ Prevents seizure, galling and corrosion
- ▶ Approved to RAF, Naval and NATO Standards
- ▶ Also approved for Submarine Clearance
- ▶ Temperature range of -10°C to +1100°C.

Part Code	Size
14030	85g
14033	500g
14035	6kg
14038	18kg



ANTI-SEIZE Spray

Copper based anti-seize spray with superb corrosion protection

An aerosol applied version of the Anti Seize Paste. Copper based anti-seize for long term protection of all threaded and static fasteners.

- ▶ Highly resistant to salt water environments
- ▶ Excellent water resistance
- ▶ Temperature range of -10°C to +1100°C.

Part Code	Size
14015	400ml



ANTI-SEIZE 797 (Nuclear Grade)

High temperature anti-seize paste specially formulated for nimonic and stainless steel.

- ▶ Excellent anti-seize properties over extended periods at high temperatures
- ▶ Provides even torque loads and prevents galling and pick-up on assembly
- ▶ Protects against wet conditions and chemical attack even in the most aggressive environments
- ▶ Contains extremely low levels of chlorine and sulphur
- ▶ Lubricates, protects and eases dismantling.

Part Code	Size
16403	500g



INDUSTRIAL ANTI-SEIZE AND ASSEMBLY

ANTI-SEIZE AND
ASSEMBLY



ANTI-SEIZE Regular Grade

Copper based multi-purpose anti-seize for applications found throughout industry.

- ▶ Based on graphite, copper and aluminium to avoid seizing in mechanisms and threaded connections
- ▶ Resists vibrations, high pressure, high temperature and aggressive environments
- ▶ Protects against fretting, easing dismantling
- ▶ Acts as a sealant, preventing fluid and gas contamination.

Part Code	Size
14026	250g
14027	500g



ANTI-SEIZE Stainless

Water and chemically resistant grease specifically designed for the protection of stainless steel and nimonic fasteners

- ▶ Effective long term anti-seize
- ▶ Extremely stable at high temperatures for long periods
- ▶ Protects against wet conditions & chemical attack
- ▶ Extremely low sulphur & chlorine levels
- ▶ Provides even torque loads over a wide range of materials
- ▶ Approved to Rolls Royce and NATO Standards
- ▶ Also approved for Submarine Clearance
- ▶ Temperature range of -40°C to +1000°C.

Part Code	Size
14143	500g



PENETRATING Spray

Extreme performance, molybdenum disulphide reinforced release spray

Extreme performance spray which penetrates dirt, grime and scale to give fast effective release of corroded fasteners.

- ▶ Excellent penetration
- ▶ Powerful jet application to aid penetration of seized rust and debris
- ▶ Molybdenum disulphide to aid dismantling
- ▶ Light residual film for short term corrosion protection
- ▶ Fast acting performance.

Part Code	Size
14021	300ml



SHOCK-RELEASE Spray

Release and dismantling lubricant with shock freeze action

A release and dismantling lubricant which rapidly frees fittings, fasteners and mechanical assemblies seized by dirt and corrosion.

- ▶ Freezing action causes micro-cracking for rapid release
- ▶ Advanced synthetic base oils for highly effective dismantling
- ▶ Reinforced with sub micron PTFE
- ▶ Safe for use on all metals, common plastics and rubbers
- ▶ Shock cooling temperature -40°C in 10 seconds
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified.

Part Code	Size
32040	400ml



INDUSTRIAL ANTI-SEIZE AND ASSEMBLY

ANTI-SEIZE AND
ASSEMBLY



MTLM Assembly and Running in Paste

Assembly lubricant for precision and interference fit parts

Suitable for plain bearings, pins, slides and gears. It provides a tough wear resistant coating which eases assembly and provides complete protection during start up and running in.

- ▶ Exceptional temperature range -50°C to +450°C
- ▶ Reduces the forces required for assembly of close fitting components
- ▶ Prevents galling, pick-up and seizure on assembly and during initial running in period before the service lubricant has circulated
- ▶ Guards against wear and fretting corrosion
- ▶ Resistant to high loads (up to 7,000 kg/cm²)
- ▶ Excellent wear resistance (high molybdenum disulphide content)

Part Code	Size
10050	100g
10056	750g
10057	18kg



OXYLUBE Spray

Dry film, molybdenum disulphide lubricant for aggressive environments

Inorganic, resin bonded dry film of molybdenum disulphide in aerosol. Developed to lubricate sliding mechanisms such as plain bearings, pins, cams and slides particularly in vacuum environments.

- ▶ Designed for applications where contamination by aggressive chemicals or petroleum based solvents; oils and greases would destroy conventional lubricants
- ▶ Fast curing time
- ▶ Dry film lubrication - resists pick up of contaminants
- ▶ Prevents galling, pick up and seizure
- ▶ Suitable for fine threaded components
- ▶ Approved to Rolls Royce, Naval and NATO Standards
- ▶ Also approved for Submarine Clearance
- ▶ Temperature range -200°C to +450°C.

Part Code	Size
10125	400ml



DRY MOLY Paste

Extreme load, dry film, molybdenum disulphide paste where wet films cannot be tolerated

Dry film coating of molybdenum disulphide in paste form. It is designed to lubricate sliding mechanisms such as plain bearings, pins and cams.

- ▶ Provides excellent load carrying
- ▶ Dry film lubrication - resists pick up of contaminants
- ▶ Prevents galling, pick up and seizure
- ▶ Resistant to high loads
- ▶ Excellent wear resistance
- ▶ Approved to Rolls Royce, RAF and NATO Standards
- ▶ Temperature range -50°C to +450°C.

Part Code	Size
10040	100g
10046	750g



DRY MOLY Fluid

Extreme load, dry film, molybdenum disulphide paste where wet films cannot be tolerated

Resin bonded dry film coating of molybdenum disulphide. Designed to lubricate sliding mechanisms such as plain bearings, pins and cams.

- ▶ Prevents galling, pick up of contaminants and seizure
- ▶ Resistant to high loads
- ▶ Excellent wear resistance
- ▶ Approved to Naval and NATO Standards
- ▶ Temperature range -50°C to +450°C.

Part Code	Size
10205	5l



INDUSTRIAL

ANTI-SEIZE AND ASSEMBLY/ CORROSION PROTECTION

ANTI-SEIZE AND
ASSEMBLY



CORROSION
PROTECTION



DRY MOLY Spray

**Extreme load, dry film, molybdenum disulphide paste
where wet films cannot be tolerated**

Dry, high content molybdenum disulphide film in aerosol form. Designed to lubricate sliding mechanisms such as plain bearings, pins, cams and slides.

- ▶ Dry film lubrication – Prevents galling, pick up and seizure
- ▶ Suitable for small gears and bearings
- ▶ Excellent wear resistance
- ▶ Superior load resistance
- ▶ Approved to Rolls Royce, Naval and NATO Standards
- ▶ Temperature range -50°C to +450°C.

Part Code

10025

Size

400ml



Z25 Fluid

Oily, de-watering, corrosion inhibitor for indoor protection

Light/medium duty, oily, multipurpose lubricant. Ideal for the light lubrication of chains, hinges, linkages and pins.

- ▶ Ideal for lubricating chains, hinges, linkages etc
- ▶ Provides a thin, high performance, oily film
- ▶ Good dewatering properties
- ▶ Excellent penetration
- ▶ Excellent corrosion protection indoors for up to 1 year
- ▶ Specially formulated to clean oil contaminated parts
- ▶ Ideal light lubrication of chains, hinges, linkages and pins
- ▶ Does not contain silicones or chlorinated solvents
- ▶ Temperature range -20°C to +110°C.

Part Code

37118

Size

20L



Z30 Fluid

Outdoor, long-lasting, waxy corrosion preventative

Heavy duty waxy film for long term outdoor corrosion protection of various machinery parts.

- ▶ Good dewatering properties
- ▶ Good penetration
- ▶ Thin, flexible film – does not crack or chip
- ▶ Does not contain silicones or chlorinated solvents
- ▶ Dry film – doesn't attract dirt or dust
- ▶ Ideal protection for components in storage and transit
- ▶ Temperature range -20°C to +110°C.

Part Code

37022

Size

5L

37028

20L



Z30 Spray

Heavy duty, outdoor, long-lasting, waxy corrosion preventative

Heavy duty waxy film in an aerosol form for long term outdoor corrosion protection of various machinery parts and pieces of equipment in a convenient aerosol form.

- ▶ Ideal for long term protection of machinery, elevators, forklift trucks, underground installations and offshore platforms
- ▶ Good dewatering properties
- ▶ Good penetration
- ▶ Thin, flexible film – does not crack or chip
- ▶ Dry film – doesn't attract dirt or dust
- ▶ Does not contain silicones or chlorinated solvents
- ▶ It is available in both fluid and aerosol form
- ▶ Ideal protection for components in storage and transit
- ▶ Approved to NATO Standards
- ▶ Temperature range -20°C to +110°C.

Part Code

37020

Size

300ml

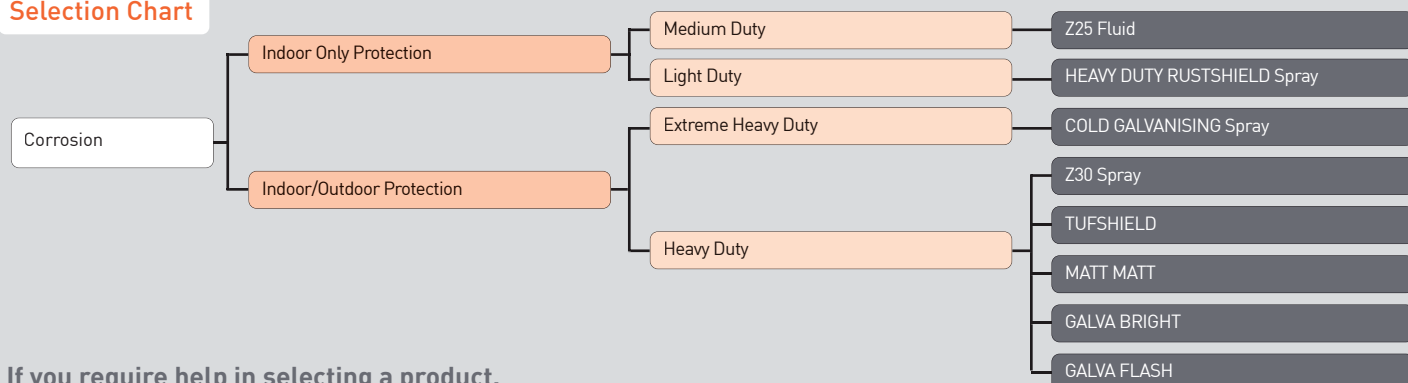


INDUSTRIAL CORROSION PROTECTION



ROCOL® corrosion preventatives protect metal components, extending working life and reducing the need for rework and repair.

Selection Chart



If you require help in selecting a product, contact ROCOL® direct: +44 (0) 113 232 2600

Z50 Fluid

Coiled Tubing Corrosion Inhibitor

Patented water-extendible corrosion inhibitor to prevent corrosion and pitting on the internal surface of coiled tubing. Designed to neutralise well stimulation acids and deposit a film of biodegradable oil in the tubing surface.

- ▶ Effectively neutralizes organic and inorganic acids.
- ▶ Provides excellent residual corrosion protection.
- ▶ Extends tube life and minimizes the risk of in service failure.
- ▶ Simple and quick to use.
- ▶ Does not require additional expensive equipment.
- ▶ Readily biodegradable.

Part Code	Size
37049 (Z50)	200l



HEAVY DUTY RUSTSHIELD Spray

Outdoor, long-term, red, waxy corrosion preventative for higher visibility

Thin, dry film, corrosion preventative suitable for the temporary outdoor protection of all machined or pressed steel components.

- ▶ Effective outdoor corrosion protection
- ▶ Provides residual lubrication for assembly
- ▶ Mild de-watering action
- ▶ Ideal protection for components in storage and transit
- ▶ Dry film – doesn't attract dirt or dust
- ▶ Thin flexible film – does not crack or chip.

Part Code	Size
69100	300ml



TUFSHIELD

Heavy duty, high cling grease for protection under the severest conditions

Heavy duty 'high cling' corrosion preventative grease. Developed to protect all metals under the severest conditions of corrosion and erosion.

- ▶ Suitable for swing bridges, lock and dock gates, aircraft doors, undercarriages, mining, railway, winches and other exposed equipment
- ▶ Particularly effective in marine environments and areas subject to flooding or repeated forceful wash downs
- ▶ Good lubrication properties
- ▶ Excellent corrosion protection
- ▶ Approved to NATO and Naval Standards
- ▶ Also approval for Submarine clearance
- ▶ Temperature range -10°C to +120°C.

Part Code	Size
37103	450g



COLD GALVANISING Spray

Optimum Galvanic Protection

An ultra long term corrosion protection for metal components requiring a permanent zinc-rich mid-grey coating. Ideal for components that cannot be galvanised using a hot dip process.

- ▶ Excellent corrosion protection
- ▶ Can be used to repair the surface of galvanised components that have been damaged or removed due to welding or other mechanical operations
- ▶ Cathodic mechanism – scratches are re-sealed by the formation of zinc oxide and carbonates
- ▶ Non-toxic formulation – lead and chromate free
- ▶ Temperature range -30°C to +450°C.
- ▶ Meets the requirements of ISO 3549.



Part Code
69515

Size
400ml



The "Triple Protection" products utilise an advanced resin system and a high content of ultra pure zinc to deliver:

- ▶ OPTIMISED CATHODIC DEFENCE ▶ MECHANICAL TOUGHNESS ▶ ENHANCED WATER RESISTANCE

GALVA MATT

An ultra long term corrosion protection for metal components requiring a permanent light-grey coating. Ideal for components that cannot be galvanised using a hot dip process.

- ▶ Triple protection – anti-corrosive, mechanically resilient and water resistant
- ▶ Can be used to repair the surface of galvanised components that have been damaged or removed due to welding or other mechanical operations
- ▶ Excellent long term corrosion protection
- ▶ Unique combination of flexibility and hardness – highly resistant to peeling, flaking and abrasion
- ▶ Durable, hydrophobic film – moisture repelled from surface to form beads of water
- ▶ Non-toxic formulation – lead and chromate free
- ▶ Temperature range -30°C to +450°C.
- ▶ Meets the requirements of ISO 3549.

Part Code
69524

Size
500ml



GALVA BRIGHT

An ultra long term corrosion protection for metal components requiring a permanent light-grey coating. Ideal for components that cannot be galvanised using a hot dip process.

- ▶ Triple protection anti-corrosive, mechanically resilient and water resistant
- ▶ High performance coating or primer which contains pure zinc, aluminium, synthetic resins and additives
- ▶ Excellent repair for galvanised surfaces – adheres well to metal surfaces
- ▶ Can be used to repair the surface of galvanised components that have been damaged or removed due to welding or other mechanical operations
- ▶ Excellent long term corrosion protection
- ▶ Durable, hydrophobic film – moisture repelled from surface to form beads of water
- ▶ Non-toxic formulation. Lead and chromate free
- ▶ Temperature range -30°C to +450°C.

Part Code
69523

Size
500ml



GALVA FLASH

Long term corrosion protections for metal components requiring a permanent bright, glossy appearance with the lustre look of aluminium. Ideal for components that cannot be galvanised using a hot dip process.

- ▶ Unique combination of flexibility and hardness – resistant to peeling, flaking and fading
- ▶ High performance coating – contains pure zinc, aluminium, synthetic resins and additives
- ▶ Excellent long term corrosion protection for ferrous metals
- ▶ Durable, hydrophobic film – repels water non-toxic formulation – lead and chromate free
- ▶ Temperature range -30°C to +450°C.
- ▶ Meets the requirements of ISO 3549.

Part Code
69522

Size
500ml



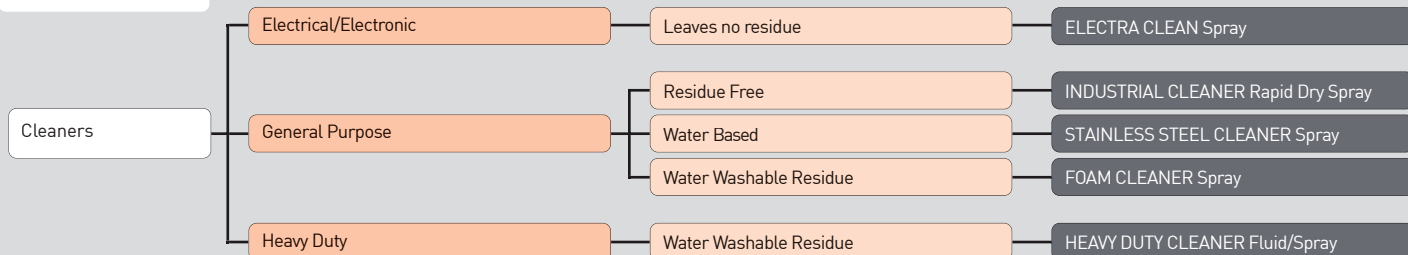
INDUSTRIAL INDUSTRIAL CLEANERS

INDUSTRIAL
CLEANER

Effective cleaning is an essential part of most maintenance tasks.

ROCOL® provide a range of cleaners designed to meet the requirements of all jobs.

Selection Chart



If you require help in selecting a product, **contact ROCOL® direct: +44 (0) 113 232 2600**

HEAVY DUTY CLEANER Spray & Fluid

High performance, heavy duty, water emulsifiable cleaner

A powerful slow-evaporating, water emulsifiable, solvent based cleaner suitable for use in most general industrial environments.

- ▶ Emulsifies the oil and grease to allow removal by hosing or wiping
- ▶ Safe on metal, paint and most plastics
- ▶ Free from chlorinated solvents
- ▶ Available as an aerosol or bulk fluid.

Description	Part Code	Size
Spray	34011	300ml
Fluid	34014	5L



INDUSTRIAL CLEANER Rapid Dry Spray

Fast evaporating, multi-purpose cleaner

A multi-use, fast drying, powerful solvent cleaner designed to evaporate quickly leaving no residue.

- ▶ A specially formulated blend of degreasing solvents
- ▶ Designed to remove grease, oil and workshop grime from all surfaces
- ▶ Safe on metal, most plastics and paints
- ▶ NSF K1 Registered.

Part Code	Size
34131	300ml



STAINLESS STEEL CLEANER Spray

High performance Stainless Steel Cleaner

Metal surface cleaner and polisher which removes grease, oil and general grime from most metal surfaces and is particularly effective on stainless steel

- ▶ Leaves a clean, smear free, polished surface with no residue
Can be used in and around food processing areas
- ▶ Ideal for cleaning and polishing stainless steel
- ▶ Manufactured from only FDA listed ingredients
- ▶ NSF Nonfood Compounds Program listed: Category code A7.

Part Code	Size
34161	400ml



FOAM CLEANER Spray

Powerful fast acting foam cleaner

Universal fast acting foaming cleaner, cuts through grease, dirt and grime.

- ▶ Active foaming
- ▶ Ideal for non-porous surfaces
- ▶ Safe for use on most plastics rubbers and painted surfaces
- ▶ Free from solvents
- ▶ NSF A1 registered.

Part Code	Size
34141	400ml



ELECTRA CLEAN Spray

Residue free high performance electrical cleaner

A powerful, ultra fast drying cleaner designed for use on electrical equipment and components such as switches and switchgear.

- ▶ Rapid evaporation to leave no residue
- ▶ Designed for effective degreasing and cleaning
- ▶ Removes light to medium grease and oil contamination
- ▶ Compatible with most plastics
- ▶ NSF K2 Registered.

Part Code	Size
34066	300ml



REMOVER & DEGREASER Spray

Heavy duty, multi-purpose cleaner

A heavy duty, multi-purpose citrus degreaser ideal for removing grease, oil, adhesives, labels and general workshop grime.

- ▶ Pleasant characteristic odour
- ▶ Powerful and fast acting
- ▶ Safe on metal, most plastics and painted surfaces
- ▶ NSF C1 Registered.

Part Code	Size
34151	300ml



SCRUBS®

Highly effective, waterless, hand-cleaning wipe

The citrus-based formula in Scrubs® is combined with a tough, textured towel to loosen, dissolve and absorb dirt and grease leaving your hands truly clean.

- ▶ One side of the towel is textured for heavy duty cleaning
- ▶ Will not transfer soil back onto hands
- ▶ One step cleaning process
- ▶ Conditions & softens hands
- ▶ Tough durable bucket that is light & portable.



Part Code	Size
34100	72 Tub



INDUSTRIAL MULTI-PURPOSE MAINTENANCE PRODUCTS



The ROCOL® range of general purpose maintenance products are designed to be an easy to use and cost effective part of any maintenance program in any industry.

WD Spray

Highly effective, water displacing spray that lubricates, penetrates and protects against corrosion

A blend of refined mineral oil designed for use as a multi-purpose product. It is ideal for use as a general lubricant to lubricate and protect small components such as hinges and locks.

- ▶ Powerful jet application to mechanically penetrate rust and debris
- ▶ Displaces water – ideal for drying out engine ignition systems
- ▶ Fast acting formulation
- ▶ Excellent corrosion protection
- ▶ Good release of seized parts.

Part Code	Size
34271	300ml



DRY PTFE Spray

Premium performance, dry film lubricant

Market leading, low friction, non stick, PTFE lubricant for the dry lubrication of cams, slides, open bearings, chutes and shears.

- ▶ Water Regulations Advisory Scheme - Approved Product
- ▶ Non staining, friction reducing film.
- ▶ High percentage of sub micron PTFE
- ▶ Industry leading levels of active ingredient
- ▶ Approved to Rolls Royce, Naval and NATO Standards
- ▶ Outstanding temperature range -200°C to +270°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified.



Part Code	Size
34235	400ml



PRECISION SILICONE Spray

Clean, non toxic, high performance lubricant

A high performance, colourless non stick lubricating film with wide temperature stability for use on slides, chutes, bearings and conveyors.

- ▶ Extended life and reduced waste due to significantly higher levels of active ingredient
- ▶ Resists oxidation and corrosion
- ▶ Non toxic, clean and colourless
- ▶ Approved to NATO Standards
- ▶ Wide temperature range -50°C to +200°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified.

Part Code	Size
34035	400ml



SAPPHIRE® Precision Lube Spray

Multipurpose, high performance spray lubricant with PTFE

An ultra high performance universal maintenance lubricant designed to provide excellent lubrication, penetration and protection in the widest range of applications.

- ▶ PTFE fortified for increased lubrication and reduced friction
- ▶ Ideal for slides and chains
- ▶ 360° Valve technology
- ▶ Outstanding EP performance
- ▶ Clean non-toxic lubricating film
- ▶ Temperature range -55°C to +250°C.

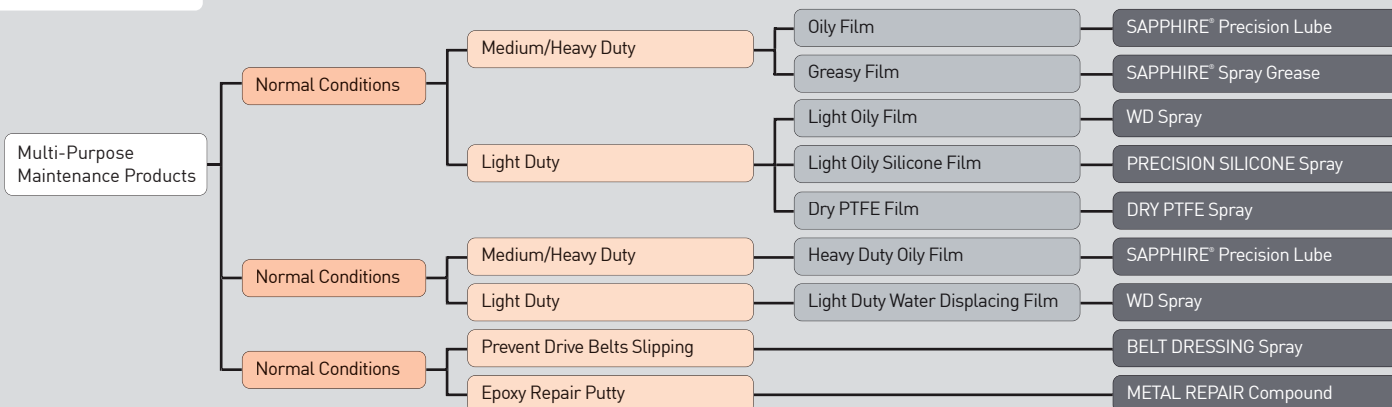
Part Code	Size
34341	400ml



INDUSTRIAL MULTI-PURPOSE MAINTENANCE PRODUCTS



Selection Chart



If you require help in selecting a product, **contact ROCOL® direct: +44 (0) 113 232 2600**

BELT DRESSING Spray

Eliminates belt slip and maximises belt life

The original spray for conditioning and lubricating all types of drive and conveyor belts.

- ▶ Adheres strongly to any belt material
- ▶ Gives instant grip, prevents glazing and reduces slippage
- ▶ Conditions to prevent cracking and breakage
- ▶ Reduces build up of grease and dirt
- ▶ Non toxic and colourless.

Part Code
34295

Size
300ml



METAL REPAIR Compound

New and improved, solvent free, epoxy putty containing non-rusting metallic fillers.

A permanent repair compound which can be used to repair castings, valve and pump components.

- ▶ 4 minute cure time and full use after just 1 hour
- ▶ Binds to a wide range of substrates: metal, glass, ceramic, concrete, fibreglass and wood
- ▶ Eliminates the need for welding and brazing
- ▶ Can be applied underwater
- ▶ Permanent strength up to 23MPa
- ▶ Temperature range up to +150°C.

Part Code
64012

Size
56g



SAPPHIRE® Spray Grease

Versatile, multi-purpose, synthetic spray grease with PTFE

A high performance, fully synthetic multi-purpose grease supplied in an aerosol for ease of application and convenience.

- ▶ Extreme high and low temperature capability
- ▶ High speed applications such as fan and motor bearings
- ▶ Extended lubrication intervals
- ▶ Ideal electrical contact grease
- ▶ Compatible with most plastics and rubbers
- ▶ Fortified with PTFE
- ▶ Temperature range -50°C to +200°C.

Part Code
34305

Size
400ml

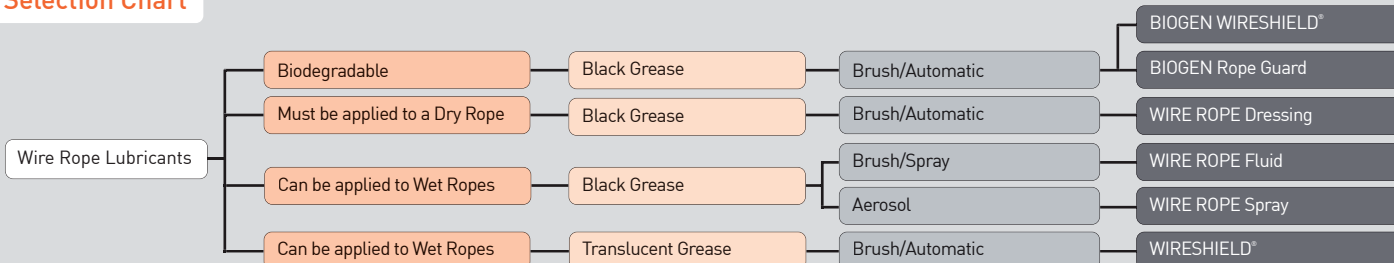


INDUSTRIAL WIRE ROPE LUBRICANTS

WIRE ROPE
LUBRICANT



Selection Chart



If you require help in selecting a product, contact **ROCOL® direct: +44 (0) 113 232 2600**

WIRE ROPE Dressing

Lubricating, penetrating and protective wire rope lubricant

A tenacious, semi-fluid non-melting grease designed for complete lubrication and corrosion protection of most types of wire ropes, particularly in hostile conditions.

- ▶ Excellent internal and external lubrication
- ▶ Protects against wear on guides and sheaves
- ▶ Outstanding internal and external corrosion protection
- ▶ Suitable for all non-friction drive wire ropes
- ▶ Resistant to sea water
- ▶ Approved to NATO and Naval Standards
- ▶ Temperature range -30°C to +100°C.

Part Code	Size
20026	4kg
20024	18kg



WIRE ROPE Fluid

Penetrating and protective wire rope lubricant for brush or spray applications

A high performance de-watering wire rope fluid designed for complete lubrication and corrosion protection of most types of wire ropes, particularly in wet and hostile conditions.

- ▶ Excellent de-watering properties
- ▶ Resistant to sea water
- ▶ Rapidly penetrates to the rope core
- ▶ Complete internal and external corrosion protection
- ▶ Suitable for all non-friction drive wire ropes, including ropes in storage
- ▶ Protects against wear on guides and sheaves
- ▶ Ideal for high-pressure spray applicators
- ▶ Approved to NATO and Naval Standards
- ▶ Temperature range -30°C to +100°C.

Part Code	Size
20046	5L
20045	20L



WIRE ROPE Spray

Lubricating, triple penetration and protective spray wire rope lubricant

A high performance de-watering wire rope aerosol designed for complete lubrication and corrosion protection of most types of wire ropes, particularly in wet and hostile conditions.

- ▶ Excellent de-watering properties
- ▶ Resistant to sea water
- ▶ Rapidly penetrates to the rope core
- ▶ Complete internal and external corrosion protection
- ▶ Suitable for all non-friction drive wire ropes, including ropes in storage
- ▶ Protects against wear on guides and sheaves
- ▶ Temperature range -30°C to +100°C.

Part Code	Size
20015	400ml



INDUSTRIAL WIRE ROPE LUBRICANTS

WIRE ROPE
LUBRICANT



BIOGEN WIRE SHIELD®

**VGP and European Ecolabel Compliant
lubricant for Wire Ropes and Umbilicals**

The Vessel General Permit for Discharges Incidental to the Normal Operation of Vessels (VGP) is a US licence which works alongside the Clean Water Act. It serves to protect the US Coastline and inland waters by regulating discharge from vessels entering these areas.



- ▶ EU Ecolabel Licence no. UK/27/013
- ▶ Independent verification that **BIOGEN WIRESHIELD** meets the most stringent environmental standards and the US VGP regulations.

Scan to read more
about BIOGEN
WIRESHIELD or visit
www.rocol.com/biogen



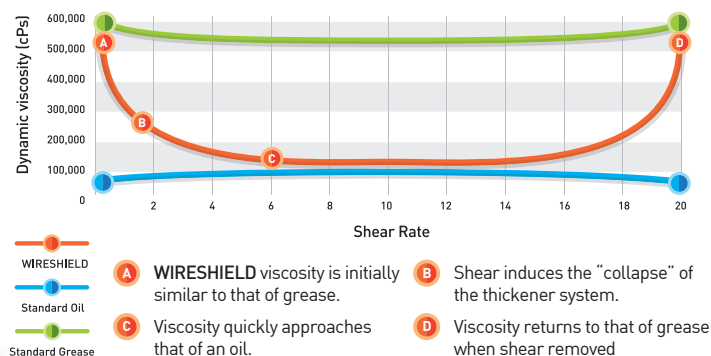
- ▶ Biodegradable
- ▶ Minimal Eco-Toxicity
- ▶ Non-Bioaccumulative
- ▶ Industry leading corrosion protection
- ▶ Highly resistant to water wash-off
- ▶ Does not drip or fling off due to the pseudo-plastic rheology
- ▶ Temperature range -30°C to +180°C
- ▶ Excellent lubrication properties reduce wear on wires and strands, maximizing service life
- ▶ Stable in the presence of salt water
- ▶ Also ideal for use on ROV umbilicals



Part Code	Size
20064	18kg
20069	160kg

Pseudoplastic Rheology

Shear or agitation causes a reduction in the dynamic viscosity of BIOGEN WIRESHIELD® allowing maximum penetration and increasing pumpability during automatic application. The lubricant returns to grease consistency when shear is removed optimising wash-off and fling-off resistance.



WIRESHIELD®

Pseudoplastic wire rope dressing

- ▶ Excellent lubrication properties reduce wear on wires and strands, maximising service life
- ▶ Outstanding corrosion protection
- ▶ Highly resistant to water wash-off
- ▶ Thin, non-tacky film prevents build up of dust and dirt
- ▶ Clean and pleasant to use
- ▶ Translucent film allows easier and more effective rope inspection
- ▶ Does not drip or fling off due to the pseudo-plastic rheology
- ▶ Temperature range -30°C to +100°C.

Part Code	Size
20054	18kg
20058	160kg

WIRESHIELD® FLUID

WIRESHIELD fluid is a solvent containing a liquid version of WIRESHIELD designed for application by pressure spray equipment.

Part Code	Size
20078	20L

BIOGEN Rope Guard

Solvent free, biodegradable wire rope lubricant specially formulated to penetrate to the core of all wire ropes

- ▶ Excellent internal and external lubrication
- ▶ Outstanding internal and external corrosion protection
- ▶ Highly water repellent
- ▶ Ideal for extreme water contamination including sea water
- ▶ Meets CEC-L-33-T-82 standard for biodegradability
- ▶ Degrades to a harmless substance
- ▶ Suitable for all non-friction drive wire ropes
- ▶ Temperature range -30°C to +100°C.



Part Code	Size
19044	18kg

CLAMP LOCK LUBRICANT Spray

Specially formulated for use on British Rail clamp point lock assemblies operating in all weather conditions

Aerosol lubricant for British Rail clamp point lock mechanisms. Molybdenum Disulphide and extreme pressure additives combine to significantly reduce friction and wear.

- ▶ Provides excellent long-term corrosion resistance in all extremes of weather
- ▶ Outstanding extreme pressure performance
- ▶ Ultra high performance universal maintenance lubricant
- ▶ Contains PTFE as a solid lubricant – reduces friction
- ▶ Clean non-toxic lubricating film
- ▶ British rail catalogue number 27/025058.

Part Code	Size
38412	400ml



TRACK AND RAIL Lube

Multipurpose lubricant, ideal for Rail Track Switch Plate Mechanisms

Provides excellent long-term corrosion resistance in all extremes of weather. Extreme pressure and anti-wear additives combine to significantly reduce friction and wear.

- ▶ Track Rail Lube can be utilised on any moving part
- ▶ Powerful spray action will remove excess water
- ▶ Highly tenacious thin film
- ▶ Contains graphite and fortified with PTFE to significantly reduce friction and wear
- ▶ Specially designed applicator for ease and accuracy of use
- ▶ Temperature range -30°C to +140°C
- ▶ British rail catalogue number 27/025035.

Part Code	Size
38431	750ml



KILOPOISE Range

Extremely high viscosity damping lubricants in fluid and grease form

Used for the lubrication of slides, gears and threads on instruments to impart smooth positive movement with a 'silky' feel by providing damping and increased friction/drag.

- ▶ Kilopoise lubricants do not harden due to their extremely low volatility, therefore, adjustments can be continually made
- ▶ Damping action allows smooth precise movement
- ▶ Allows larger clearances and tolerances on mating parts
- ▶ Low volatility, therefore product remains unchanged over long periods
- ▶ Seals against moisture
- ▶ Will not support fungal growth
- ▶ Available in fluid - 0868
- ▶ Available in grease - 0868 S & 0868 GW.

**If you require help in selecting a product,
contact ROCOL® direct: +44 (0) 113 232 2600**



Description	Part Code	Size
Kilopoise 0868	36013	450g
Kilopoise 0868 GW	36048	3kg
Kilopoise 0868 S	36051	3kg
Kilopoise 0001 GW	36052	3kg

RT15

High temperature grease for highly aggressive environments including oxygen applications

Perfluoropolyether grease suitable for a wide range of applications. Used in gearboxes, anti-friction and plain bearings, or any sliding surface such as pins, valves, plungers and screws.

- ▶ Extended relubrication periods due to its ability to resist degradation in hostile conditions
- ▶ Excellent resistance against aggressive chemicals and oxidising agents
- ▶ Ideal for the chemical, dry cleaning and food industries
- ▶ Fortified with PTFE
- ▶ Outstanding extreme pressure performance
- ▶ Very long lubrication intervals in aggressive environments
- ▶ Suitable for oxygen applications
- ▶ Excellent high temperature resistance
- ▶ Temperature range -20°C to +200°C.



Part Code	Size
39041	100g
39043	400g



UT18

Perfluoropolyether grease suitable for a wide range of applications, including oxygen functions

Can lengthen relubrication periods dramatically due to its ability to resist degradation in hostile conditions.

- ▶ Used in anti-friction and plain bearings, or any sliding surface such as pins, valves, plungers and screws
- ▶ Very long lubrication intervals in aggressive environments
- ▶ Outstanding EP performance
- ▶ Ideal for the chemical, dry cleaning and food industries
- ▶ Excellent resistance against aggressive chemicals and oxidising agents
- ▶ Suitable for oxygen applications
- ▶ NLGI No. 2
- ▶ Temperature range -30°C to +150°C.

Part Code	Size
39031	100g



OT20

Low temperature, perfluoropolyether grease developed primarily for oxygen systems

Used on breathing apparatus in Ministry of Defence aircraft, sub-sea equipment and operating theatres in hospitals.

- ▶ Ideal for valves, slides, gearboxes and both plain and anti-friction bearings
- ▶ Excellent resistance against aggressive chemicals and oxidising agents
- ▶ Ideal for the chemical, dry cleaning and food industries
- ▶ Outstanding EP performance
- ▶ Very long lubrication intervals in aggressive environments
- ▶ Excellent low temperature resistance
- ▶ NLGI No. 2
- ▶ Temperature range -70°C to +100°C.

Part Code	Size
39021	100g
39023	400g



YVAC3

Perfluoropolyether based grease, for use under high vacuum conditions.

With a rating of 10^{-13} torr, Fomblin Y-Vac 3 has unsurpassed performance in vacuum applications.

- ▶ Can be used to lubricate slides, bearings, pins, bushes, gears and valves and will not have a detrimental effect on rubbers, plastics or metals
- ▶ Outstanding extreme pressure performance
- ▶ Excellent chemical resistance
- ▶ High oxidation and thermal resistance
- ▶ NLGI No. 3
- ▶ Temperature range -20°C to $+200^{\circ}\text{C}$.

Part Code	Size
39011	100g



YNX

Homogeneous PFPE grease specially designed as an assembly lubricant.

For use in oxygen, bromine and chlorine environments, both and liquid gaseous.

- ▶ Developed for static applications, seals and valves
- ▶ Outstanding oxygen pressure resistance, up to 240 bar
- ▶ Economical to use - minimal wastage
- ▶ NLGI No. 1/2
- ▶ Temperature range -40°C to $+220^{\circ}\text{C}$.

Part Code	Size
39081	100g



MX550

High temperature silicone grease containing molybdenum disulphide

Formulated from an exceptionally stable silicone fluid with high resistance to oxidation and excellent lubricating properties.

- ▶ Recommended for use by all major land turbine manufacturers
- ▶ Specially developed for the lubrication of steam turbine valve gear operating at high temperatures
- ▶ Good load carrying and anti-wear properties
- ▶ Temperature range -45°C to $+280^{\circ}\text{C}$.

Part Code	Size
12086	5kg
12088	50kg



LUBRICANT SELECTOR APPLICATION

THE DIGITAL
WAY TO
CHOOSE
THE CORRECT
LUBRICANT





ROCOL

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Certificate No. FM 12448
MABE1214



Certificate No. EMS 67596



Certificate No. OHS 78173



**INVESTORS
IN PEOPLE**

FOODLUBE®

...the essential link in the food chain

ROCOL®

Performance you can trust

High performance lubricants for the food industry



ISO 21469 Certified

HISTORY OF EXCELLENCE

At ROCOL® we manufacture a range of innovative greases, oils, metalworking fluids, lubricants, aerosol paints, anti-slip floor coatings and panels – all designed to exceed today's challenging operating conditions.

Over the last 130 years, we have expanded considerably and offer solutions to nearly every facet of industry with over 150 distributors stocking and supplying the product range worldwide.

ROCOL has worked with some of the world's leading companies in many diverse industries and applications, developing products with one common goal: to deliver optimum performance.

We pride ourselves on producing technically advanced products with industry needs at the core. Each and every product has been developed in the spirit ROCOL is renowned for:

- ▶ Trusted Superior Performance
- ▶ Problem Solving
- ▶ High Quality
- ▶ Technical Innovation
- ▶ Excellent Technical and After-Sales Support



ROCOL operates to internationally recognised standards for quality, environment and safety. Also, we are proud of our Investor in People accreditation which demonstrates our commitment to the continual engagement and development of our people.

QUALITY



ENVIRONMENT



SAFETY



PEOPLE



ASSURANCE



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ISO 21469

The globally recognised ISO 21469:2006 certification ticks an important box for auditors as it provides credible, independent assurance that all Rocol products are formulated, manufactured and supplied hygienically and safely.



ISO 21469 Certified

For any food and drink manufacturer using FOODLUBE lubricants, especially those reliant on leading retailers through long-term contracts, provides a vital first step towards conforming with major supermarket, European Food Safety Inspection Service and British Retail Consortium audit requirements.

Products in the FOODLUBE range are already NSF-H1 registered, which specifies the hygiene requirements for the formulation, use and handling of lubricants that may incidentally come into contact with products during manufacture.

ISO 21469:2006 builds on the product-specific NSF-H1 standard to represent another important layer of safety approval. It means that products are manufactured to stringent recipe and hygiene standards using good manufacturing practices, dedicated equipment and strict handling procedures. Each product is hygiene assured as it has been independently verified by an NSF inspector and tested in their laboratories. It is then deemed safe for incidental food contact and certified as being manufactured only from FDA listed ingredients which are free from animal derived materials, nut oils, soya, dairy and genetically modified ingredients.





DETEX metal detectable components for aerosols are designed to assist food processing plants in meeting strict HACCP requirements regarding the use of the Rocol® NSF accredited products.

AEROSOL CAP



ACTUATOR



- ▶ All plastic components are metal detectable and capable of detection by most metal detection equipment
- ✓ Reduce concerns of food product contamination and assist with HACCP requirements
- ▶ All metal detectable plastic components are GRAS listed (Generally Regarded As Safe – FDA 21 C.F.R Sections 177 and 178)
- ✓ Meets FDA requirements as acceptable material for use in food processing plants

FOODLUBE®

FOODLUBE®

FOODLUBE from Rocol is the lubrication solution of choice in the food industry

In addition to being NSF H1 Registered for absolute food safety, FOODLUBE helps to improve cleanliness and efficiency while significantly reducing costs and downtime.

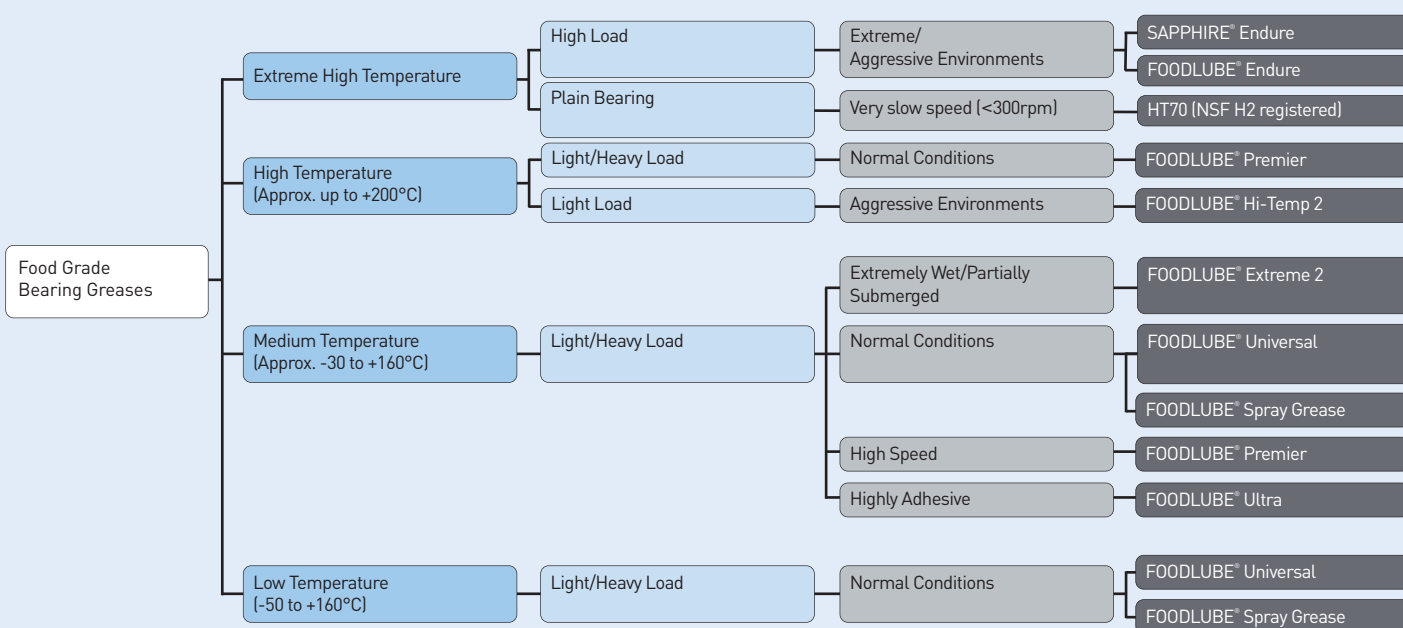
Over a decade spent working with leading food companies gives Rocol the experience to offer the best advice on how to deliver these results through implementation of a lubrication management approach that is consistent with current food safety legislation and easily integrated into HACCP processes.

Today, for our customer, the FOODLUBE brand is synonymous with:

- Increased overall equipment efficiency
- Full audit compliance
- Training and support
- Peace of mind
- Food safety



Selection Chart



If you require help in selecting a product, **contact Rocol® direct: +44 (0) 113 232 2600**

FOODLUBE® Universal 2, 0, 000

High performance, multi-purpose, food grade grease for maximum bearing life

A truly universal, extreme pressure grease, fortified with PTFE, designed for the enhanced lubrication of all types of ball, roller and plain bearings.

- ▶ Significantly extends bearing life
- ▶ Superior load and wear properties
- ▶ Highly resistant to water washout
- ▶ Excellent corrosion protection
- ▶ Wide temperature range -50°C to +160°C
- ▶ Also available as an aerosol
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Description	Part Code	Size
NLGI 2	15231	380g
	15236	4kg
	15234	18kg
NLGI 0	15276	4kg
	15274	18kg
NLGI 000	15286	4kg
	15284	18kg



FOODLUBE® Premier 1

Food grade grease for bearings operating at high speeds and temperatures

A high performance EP grease, fortified with PTFE, designed for enhanced lubrication, particularly high speed and temperature applications.

- ▶ Ideal for electric motors and fan bearings
- ▶ Significantly extends bearing life
- ▶ High load and wear properties
- ▶ Highly resistant to water washout
- ▶ Excellent corrosion protection
- ▶ Wide temperature range -30°C to +180°C
- ▶ NSF H1 Registered
- ▶ ISO21469 Certified

Description	Part Code	Size
NLGI 1	15291	380g
	15296	4kg
	15294	18kg



SAPPHIRE® Endure

Premium extreme temperature and chemical resistant grease.

Extreme performance perfluorinated polyether EP grease fortified with PTFE. Designed to operate where conventional greases fail due to chemical contamination or attack.

- ▶ Extreme chemical and solvent resistance
- ▶ Resists caustic wash down
- ▶ Greatly extends lubrication intervals
- ▶ Excellent load carrying and anti-wear properties
- ▶ Extremely stable at high temperatures
- ▶ Approved by Rolls Royce for use on Harrier Pegasus Thrust Nozzle Drive Mechanism
- ▶ Also approved for Submarine Clearance
- ▶ Temperature range of -25°C to +280°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Description	Part Code	Size
NLGI 2	12330	100g
	12331	700g
	12334	1kg
	12336	5kg
	12337	18kg



FOODLUBE® Hi-Temp 2

High temperature food grade grease

A silicone grease fortified with PTFE, suitable for high temperature applications. Designed for the lubrication of all types of slower bearings and sliding surfaces.

- ▶ Good anti-wear properties
- ▶ Highly resistant to wash off
- ▶ Ideal for rubbers and plastics
- ▶ Opaque appearance
- ▶ Good chemical resistance
- ▶ Temperature range -20°C to +200°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Description	Part Code	Size
NLGI 2	15251	380g
	15256	4kg
	15254	18kg



FOODLUBE® Endure 00

Premium, food grade lubricant for extreme temperatures

Extreme performance semi-fluid perfluorinated polyether extreme pressure grease fortified with PTFE.

- ▶ Extremely stable at high temperatures
- ▶ Greatly extends lubrication intervals
- ▶ Excellent chemical and solvent resistance
- ▶ Excellent high load and anti-wear properties
- ▶ Wide temperature range of -25°C to +280°C
- ▶ Ideal for bakery oven chains
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15503	525g



FOODLUBE® Spray Grease

Food grade, multi-purpose, extreme pressure grease fortified with PTFE in aerosol

FOODLUBE Spray Grease is FOODLUBE Universal 2 in an aerosol can for convenient application. It is a white, non-toxic lubricant designed for the effective lubrication and protection of ball, roller and plain bearings, slides, pins, linkages and bushes operating in food, pharmaceutical and other clean environments.

- ▶ Offers an excellent wide temperature resistance of -50°C to +160°C
- ▶ Highly resistant to water wash-off and offers excellent corrosion protection
- ▶ Excellent oxidation stability resulting in extended relubrication intervals and a reduction in lubricant usage
- ▶ Excellent all round, long life lubricant fortified with PTFE for improved lubricity and performance
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15030	400ml



FOODLUBE® Extreme

Food grade grease for extremely wet applications

A highly tenacious extreme pressure bearing grease with superior performance in wet conditions, for the lubrication of all types of ball, roller and plain bearings.

- ▶ Superior water resistance
- ▶ Excellent corrosion protection
- ▶ High load and wear properties
- ▶ Significantly extends bearing life
- ▶ Temperature range -30°C to +160°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Description	Part Code	Size
NLGI 2	15241	380g
	15246	4kg
	15244	18kg



FOODLUBE® Ultra

A highly adhesive food grade grease for plain bearings and sliding surfaces

Adhesive, multipurpose extreme pressure grease. Designed for the effective lubrication of slides, cams, gears and plain bearings.

- ▶ Extremely durable long life grease film
- ▶ Does not drip or fling off
- ▶ Highly resistant to water wash off
- ▶ Excellent corrosion protection
- ▶ High load and wear properties
- ▶ Temperature range -15°C to +160°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Description	Part Code	Size
NLGI 2/3	15811	380g
	15816	4kg
	15814	18kg



FOODLUBE® Auto SF

A highly adhesive food grade grease for plain bearings and sliding surfaces

Designed specifically for automatic lubrication systems, where long pipe runs and small bore piping cause blockage or delivery issues. Formulated to deliver all of the benefits expected from ROCOL long life greases with the added benefit of pump-ability.

- ▶ Extremely durable long life grease film
- ▶ Does not drip or fling off
- ▶ Highly resistant to water wash off
- ▶ Excellent corrosion protection
- ▶ High load and wear properties
- ▶ Temperature range -15°C to +160°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15912	4kg
15913	18kg
15914	160kg



FOODLUBE® Autolube Complete & Refill

Food grade, electromechanical grease dispenser for trouble free lubrication

Electromechanical, fully automatic lubrication system containing FOODLUBE Premier 1. Delivers exact quantities of grease, over varied time periods, to all types of ball, roller and plain bearings.

- ▶ Selectable 1,3,6, or 12 month dispensing periods
- ▶ Easy to install and maintain
- ▶ Ideal for non-accessible areas
- ▶ Grease temperature range -50°C to +160°C
- ▶ Autolube dispenser temperature range 0°C to +50°C
- ▶ NSF H1 Registered

Part Code	Size
15220	120ml
15224	120ml



FOODLUBE® UNILUBE

Food grade, multipurpose, extreme pressure (EP) grease with PTFE in an automatic lubricator

A gas activated lubricant dispenser filled with FOODLUBE Premier 1 grease. Provides consistent and constant lubrication of all types of ball, roller and plain bearings.

- ▶ 120ml capacity
- ▶ Compact design enabling application in hard to reach places
- ▶ Transparent housing making it easier to monitor lubricant levels
- ▶ Variable from 1 – 12 monthly increments
- ▶ Fully automatic
- ▶ Easy to install and maintenance free
- ▶ Grease temperature range -30°C to +180°C
- ▶ UNILUBE temperature range -20°C to +55°C
- ▶ NSF H1 Registered

Part Code	Size
13010	120ml



HT70

Extremely high temperature bearing grease for slow speeds

A unique molybdenum disulphide grease for slow moving, high temperature bearing applications.

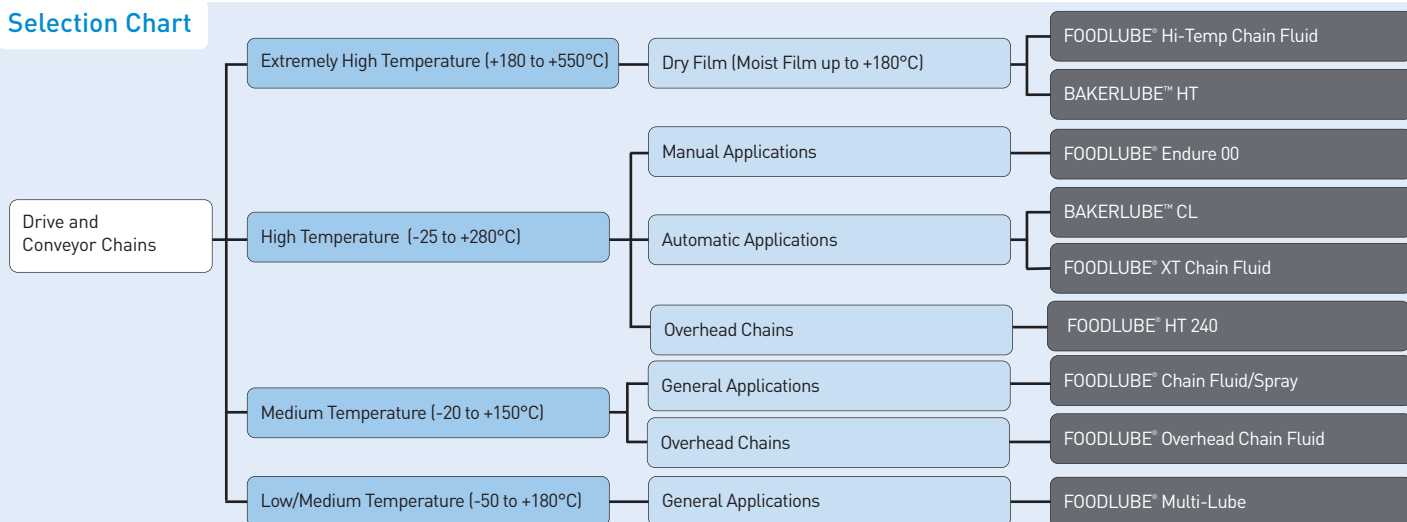
- ▶ Ideal for rotary rack oven bottom bearings
- ▶ Designed for slow speed applications typically < 300rpm
- ▶ Extremely slow evaporation at elevated temperatures
- ▶ Minimal deposit formation against conventional lubricants
- ▶ Molybdenum disulphide provides emergency lubrication
- ▶ Wide temperature range: +180°C to + 300°C
- ▶ NSF H2 Registered

Part Code	Size
12106	4kg



A comprehensive range of products designed to lubricate and protect chains operating in the food and clean industries. Whatever the type of drive or conveyor chain in use, ROCOL can provide a lubricant to ensure trouble free operation – cutting expensive downtime and increasing productivity.

Selection Chart



FOODLUBE® Chain Fluid

Tenacious, food grade lubricant for extended chain life

Versatile, high performance, chain lubricant suitable for all types of drive and conveyor chains

- ▶ Excellent penetration properties
- ▶ Tenacious low drip formulation
- ▶ Outstanding corrosion protection
- ▶ Good load carrying capacity
- ▶ Good resistance to water wash off
- ▶ Temperature range -20°C to +150°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15506	5L
15505	20L



FOODLUBE® Chain Spray

Tenacious, food grade spray lubricant for extended chain life

Convenient aerosol chain lubricant. Ideal for lubrication of all types of drive and conveyor chains.

- ▶ Outstanding penetration properties
- ▶ Highly resistant to water wash off
- ▶ Good water displacing properties
- ▶ Tenacious low drip formulation
- ▶ Good load carrying capacity
- ▶ Temperature range -20°C to +150°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15610	400ml



FOODLUBE® XT Chain Fluid

Formulated from a combination of synthetic esters and a special antioxidant package

Ensures the highest performance in terms of thermal stability, low evaporation loss and minimal deposit formation

- ▶ Excellent penetration properties
- ▶ Low evaporation rates – low fuming and longer wet film life
- ▶ Low deposit and varnish formation
- ▶ Excellent anti wear properties
- ▶ Temperature range -0°C to +280°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15800	20L
15801	200L



FOODLUBE® Chain Fluid UNILUBE

Highly adhesive, food grade lubricant for overhead chains

Specifically formulated to reduce contamination issues on all drive and conveyor chains - particularly for the meat processing industry.

- ▶ Extremely tenacious film
- ▶ No drip formulation
- ▶ Excellent corrosion protection
- ▶ Good water wash off properties
- ▶ Grease temperature range -20°C to +150°C
- ▶ Autolube dispenser temperature range 0°C to +50°C
- ▶ NSF H1 Registered

Part Code	Size
15502	120ml



FOODLUBE® Overhead Chain Fluid

Highly adhesive, food grade lubricant for overhead chains

Specifically formulated to reduce contamination issues on all drive and conveyor chains - particularly for the meat processing industry.

- ▶ Extremely tenacious film
- ▶ No drip formulation
- ▶ Excellent corrosion protection
- ▶ Good water wash off properties
- ▶ Temperature range -20°C to +150°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15786	5L
15785	20L



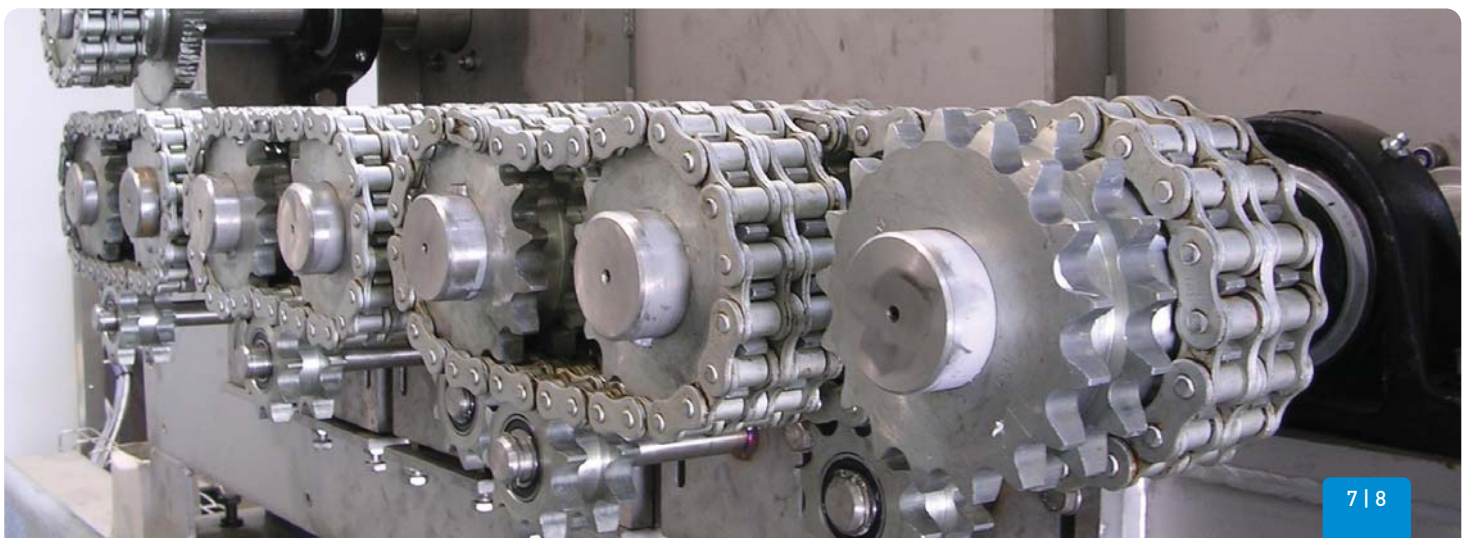
FOODLUBE® HT 240

Long lasting, high temperature, food grade chain lubricant

Non-toxic, water resistant lubricant designed primarily for the effective lubrication of all types of high temperature chains & conveyors operating in food, pharmaceutical and other clean environments.

- ▶ Excellent high temperature resistance up to +240°C
- ▶ Good penetration and load carrying properties ensuring that the product lubricates and protects inside rollers, links, pins etc
- ▶ Highly adhesive providing excellent water wash-off resistance and corrosion protection
- ▶ Extremely low evaporation rate resulting in a long wet life at high temperatures for maximum lubricant economy
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
16765	20L



BAKERLUBE™ HT

High temperature, graphited, synthetic lubricant for bakery oven chains

Extreme high temperature graphited chain lubricant for bakery oven chains.

- ▶ High load carrying performance
- ▶ Clean evaporating base oil
- ▶ For temperatures where conventional fluids fail
- ▶ Does not contain solvents
- ▶ Temperature range; wet film -10°C to +180°C
- ▶ Temperature range; dry film up to +550°C
- ▶ NSF H2 Registered

Part Code	Size
15705	20L



BAKERLUBE™ CL

High temperature, synthetic lubricant for bakery oven chains

High temperature, long life, extreme pressure chain and conveyor lubricant.

- ▶ Outstanding resistance to oxidation
- ▶ Solvent free formulation
- ▶ Excellent penetration
- ▶ Clean, residue free film
- ▶ Suitable for automatic lubricators
- ▶ Temperature range 0°C to +280°C
- ▶ NSF H2 Registered

Part Code	Size
15605	20L



BAKERLUBE™ WG

High temperature, water based, graphited chain and conveyor lubricant

BAKERLUBE WG is a water based, graphited, high temperature dry film chain lubricant. It is specifically formulated for the lubrication of oven chains subjected to extreme temperatures of up to +550°C. Ideal for the lubrication of conveyor chains in high temperature environments where the risk of contamination by a wet lubricant cannot be tolerated.

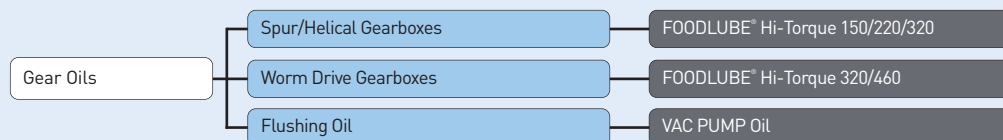
- ▶ Fume free
- ▶ Excellent penetration and performance
- ▶ Does not attract dirt or dust
- ▶ Good corrosion protection
- ▶ Excellent extreme pressure (EP) and anti-wear properties
- ▶ Temperature range of +10°C to +80°C
- ▶ Dry film lubrication up to +600°C
- ▶ NSF H2 Registered

Part Code	Size
15805	20L



ROCOL manufacture a comprehensive range of gear, compressor and hydraulic oils which are designed to provide extended service life, thereby reducing maintenance time and costs.

Selection Chart



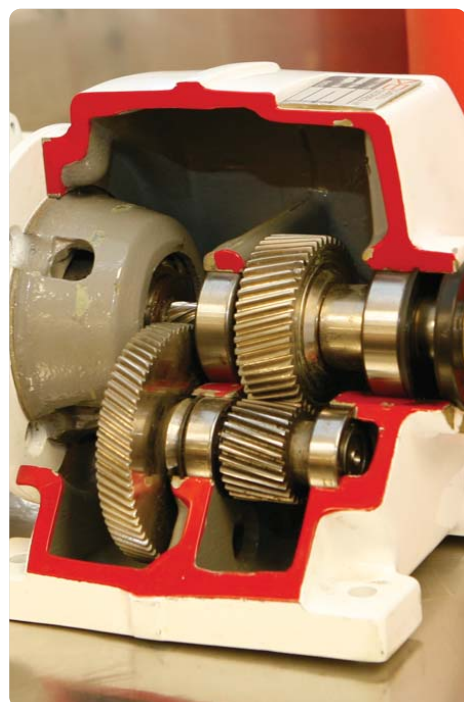
If you require help in selecting a product, **contact Rocol® direct: +44 (0) 113 232 2600**

FOODLUBE® Hi-Torque

Food grade gear oil with start up protection system

High performance fully synthetic gear oils incorporating start up protection system (SUPS) and anti wear additives to provide maximum lubrication and protection in all types of gearboxes.

- ▶ SUPS – A unique protection for gear teeth on start up and in use
- ▶ Outstanding load carrying performance: FZG load stage 12
- ▶ Excellent anti-wear performance - no need for additional additive treatments
- ▶ Temperature range -20°C to +150°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified



Description	Part Code	Size
Hi-Torque 150	15426	5L
	15425	20L
	15429	200L



Description	Part Code	Size
Hi-Torque 220	15526	5L
	15525	20L
	15529	200L



Description	Part Code	Size
Hi-Torque 320	15766	5L
	15765	20L
	15769	200L



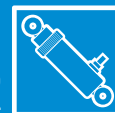
Description	Part Code	Size
Hi-Torque 460	15776	5L
	15775	20L
	15779	200L



FOOD GRADE HYDRAULIC, COMPRESSOR AND VACUUM PUMP OILS



COMPRESSOR AND
HYDRAULIC OIL



FOODLUBE® Hi-Power Fluids

High performance, food grade oils for compressor, hydraulics and airline systems

High performance, fully synthetic oils incorporating an optimum blend of high performance additives. Suitable for use in hydraulics, air compressors and airline systems.

- ▶ Unique L-CO system, reduces carry over
- ▶ Enhanced oxidation stability
- ▶ Extremely low sludge and varnish build up
- ▶ Minimal foaming
- ▶ Temperature range -20°C to +100°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified



Description	Part Code	Size
Hi-Power 22	15796	5L
	15795	20L
	15799	200L
Hi-Power 32	15896	5L
	15895	20L
	15899	200L
Hi-Power 46	15996	5L
	15995	20L
	15999	200L
Hi-Power 68	16006	5L
	16005	20L
	16009	200L
Hi-Power 100	15946	5L
	15945	20L
	15949	200L

VAC PUMP OIL

Food grade lubricant for extended vacuum pump life

High performance lubricating fluid for use in all vac pumps.

- ▶ Extended life
- ▶ Suitable for high load and high pressure conditions
- ▶ Clean and low odour
- ▶ Low deposit formation
- ▶ Prevents corrosion from moisture ingress
- ▶ Ideal for use as gear box flushing oil
- ▶ Temperature range -5°C to +130°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
16806	5L
16805	20L



RAPID DEMULSE 220

High performance, food grade oil which rapidly separates from water and prolongs service life

High performance oil formulated to maximise lubricant and machine lifetime of water cooled homogenisers and similar systems.

- ▶ Rapid water demulsification under conditions of high load and elevated temperature
- ▶ Allows quick water drainage for reduced downtime
- ▶ Good wear protection properties
- ▶ Clean, low odour product
- ▶ Temperature range -5°C to +130°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15965	20L
15969	200L



REFRIGERATION Compressor Oil

Non waxing fluid for most types of refrigeration compressors

A low temperature lubricant specifically designed for refrigeration compressor systems.

- ▶ No waxing
- ▶ Clean fluid in operation – suitable for recirculation
- ▶ Compatible with all common refrigerants including ammonia
- ▶ Low carry over into refrigerant, reducing oil consumption
- ▶ Extremely low pour point -45°C.
- ▶ NSF H2 Registered

Part Code	Size
31009	200L



FOOD GRADE ANTI-SEIZE & ASSEMBLY PRODUCTS



A range of premium, food grade, quality products which protect fasteners against heat and corrosive attack, and ease future dismantling thereby reducing downtime and costs.

FOODLUBE® Multi-Paste

Food grade, multi-purpose anti-seize & lubricating paste

A superior performance, white anti-seize and assembly paste developed for protecting fasteners and lubricating bushes, slides and small open gears.

- ▶ Ideally suited for use on a large range of surface including stainless steel
- ▶ Long life, up to six times more than the competition
- ▶ Exceptionally clean compared to copper based anti-seize
- ▶ For high temperature applications
- ▶ Prevents galling & pick-up on assembly
- ▶ Extremely tenacious – resists water wash out
- ▶ Wide temperature range –30°C to +450°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15750	85g
15851	400g
15753	500g
15756	5kg



FOODLUBE® Multi-Paste Spray

Food grade, multi-purpose anti-seize and lubricating spray

A superior performance, white anti-seize and assembly paste developed for protecting fasteners and lubricating bushes, slides and small open gears in a convenient aerosol spray.

- ▶ Ideally suited for use on a large range of surface including stainless steel
- ▶ Long life, up to six times more than the competition
- ▶ Exceptionally clean compared to copper based anti-seize
- ▶ For high temperature applications
- ▶ Prevents galling & pick-up on assembly
- ▶ Extremely tenacious – resists water wash out
- ▶ Temperature range –30°C to +450°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15751	400ml



FOODLUBE® Dismantling Spray

Highly penetrating food grade release spray

A fast acting penetrating spray for the fast and effective release of corroded and seized components.

- ▶ Highly efficient penetration
- ▶ Short term corrosion protection for released parts
- ▶ Temperature range –20°C to +110°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15720	300ml



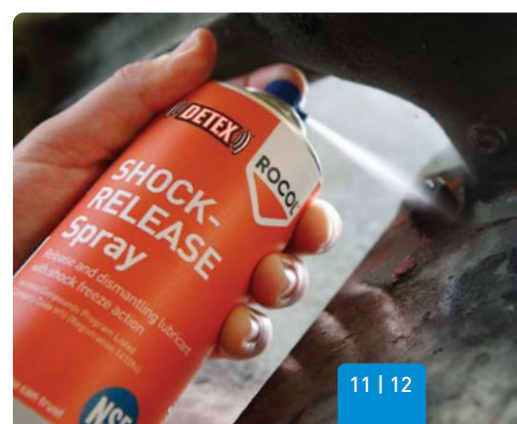
SHOCK-RELEASE Spray

Food grade release and dismantling lubricant with shock freeze action

A release and dismantling lubricant which rapidly frees fittings, fasteners and mechanical assemblies seized by dirt and corrosion.

- ▶ Freezing action causes micro-cracking for rapid release
- ▶ Advanced synthetic base oils for highly effective dismantling
- ▶ Extremely low odour
- ▶ Reinforced with sub micron PTFE
- ▶ Safe for use on all metals, common plastics and rubbers
- ▶ Shock cooling temperature –40°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
32040	400ml



FOOD GRADE CORROSION PROTECTION / INDUSTRIAL CLEANERS



CORROSION
PROTECTION



CLEANER



ROCOL food grade corrosion preventatives protect metal components, extending working life and reducing the need for rework and repair.

Selection Chart

Corrosion Protection

Removable Film

Waxy Film

FOODLUBE® Protect Spray

If you require help in selecting a product, [contact Rocol direct: +44 \(0\) 113 232 2600](mailto:contact@rocol.com)

FOODLUBE® Protect Spray

High performance, food grade, long-term corrosion protection

Effective heavy duty, waxy film for long term corrosion protection for all metal parts.

- ▶ Excellent corrosion protection outdoors for up to 2 years
- ▶ Clean, white visible film
- ▶ Resilient to aggressive cleaning
- ▶ Water displacing for immediate protection
- ▶ Acts as a dry film lubricant - fortified with PTFE
- ▶ Temperature range -40°C to +110°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code
15020

Size
300ml



STAINLESS STEEL CLEANER Spray

Metal surface cleaner and polisher

Removes greases, oils and general grime from most metal surfaces and is particularly effective on stainless steel.

- ▶ Leaves a clean, smear free, polished surface with no residue
- ▶ Can be used in and around food processing areas
- ▶ Ideal for cleaning and polishing stainless steel
- ▶ Manufactured from only FDA listed ingredients
- ▶ NSF Nonfood Compounds Program listed: Category code A7

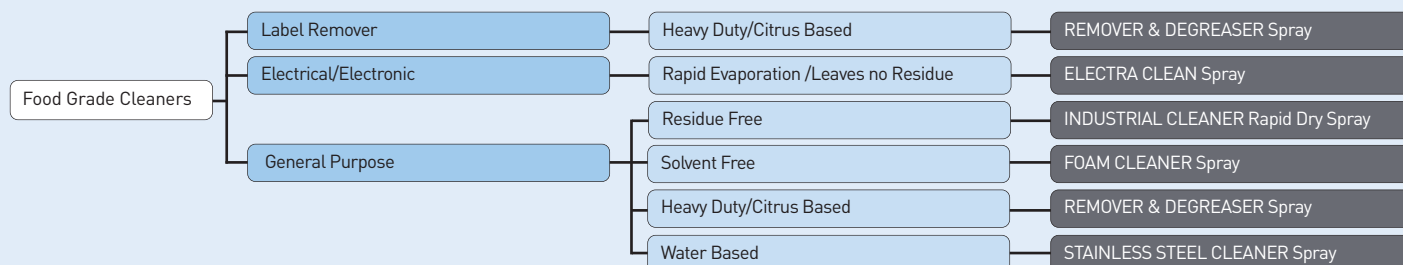
Part Code
34161

Size
400ml



A comprehensive range of products designed to meet the essential cleaning requirements of all maintenance jobs.

Selection Chart



If you require help in selecting a product, **contact ROCOL direct: +44 (0) 113 232 2600**

FOAM CLEANER Spray

Powerful, fast acting, aqueous, food safe foaming cleaner

Universal fast acting foaming cleaner, cuts through grease, dirt and grime.

- ▶ Stainless Steel cleaner
- ▶ Active foaming
- ▶ Ideal for non-porous surfaces
- ▶ Safe for use on most plastics rubbers and painted surfaces
- ▶ Free from solvents
- ▶ NSF A1 Registered

Part Code
34141

Size
400ml



INDUSTRIAL CLEANER Rapid Dry Spray

Food grade, solvent based multi-purpose cleaner

A multi-use, fast drying, powerful solvent cleaner designed to evaporate quickly leaving no residue.

- ▶ A specially formulated blend of degreasing solvents
- ▶ Designed to remove grease, oil and workshop grime from all surfaces
- ▶ Safe on metal, most plastics and paints
- ▶ NSF K1 Registered

Part Code
34131

Size
300ml



ELECTRA CLEAN Spray

Food grade, residue free, high performance electrical cleaner

A powerful, ultra fast drying cleaner designed for use on electrical equipment and components such as switches and switchgear.

- ▶ Rapid evaporation to leave no residue
- ▶ Designed for effective degreasing and cleaning
- ▶ Removes light to medium grease and oil contamination
- ▶ Compatible with most plastics
- ▶ NSF K2 Registered

Part Code
34066

Size
300ml



REMOVER & DEGREASER Spray

Heavy duty, citrus based cleaner and label remover

A heavy duty, multi-purpose citrus degreaser ideal for removing grease, oil, adhesives, labels and general workshop grime.

- ▶ Pleasant characteristic odour
- ▶ Powerful and fast acting
- ▶ Safe on metal, most plastics and painted surfaces
- ▶ NSF C1 Registered

Part Code
34151

Size
300ml



FOOD GRADE MULTI-PURPOSE MAINTENANCE PRODUCTS

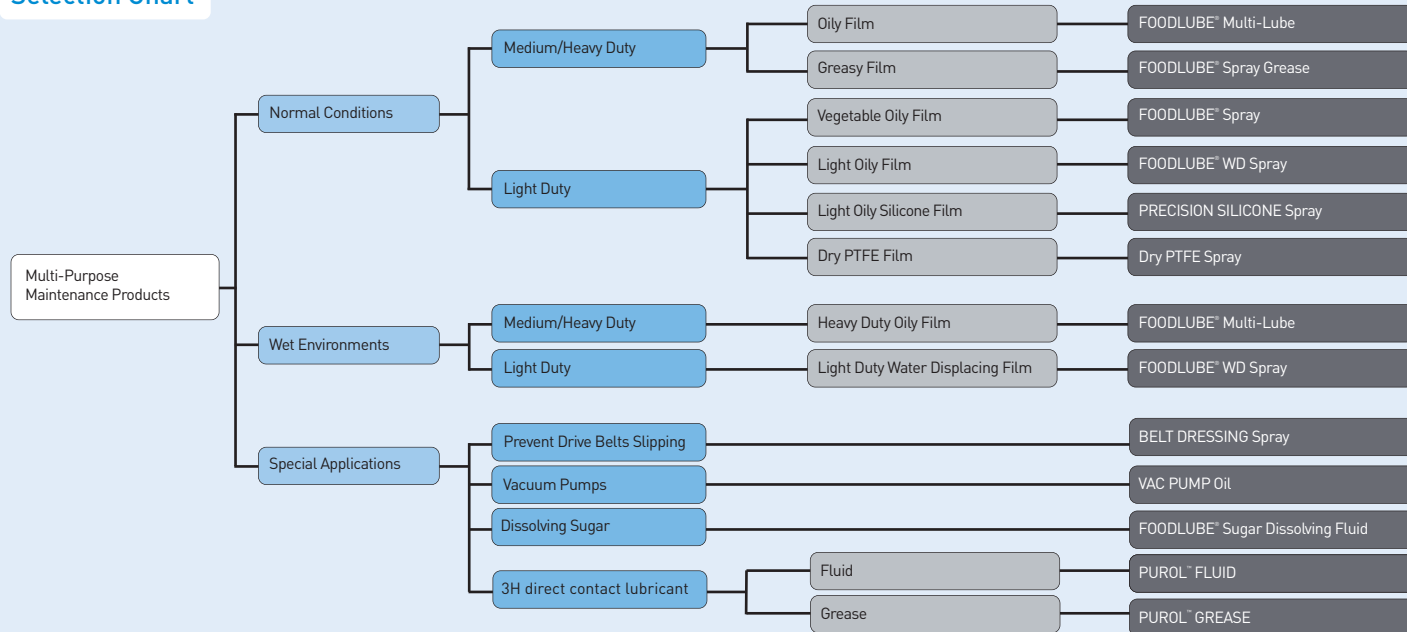


MULTI-PURPOSE
MAINTENANCE PRODUCTS



The ROCOL range of general purpose food grade maintenance products are designed to be an easy to use and cost effective part of any maintenance program in the food, clean and pharmaceutical industries.

Selection Chart



FOODLUBE® Multi-Lube Fluid

Food grade, multi-purpose lubricant fortified with PTFE

A fully synthetic, multi-purpose lubricant, fortified with PTFE for effective lubrication particularly on chains, bearings and slides.

- ▶ Clean, non-toxic, thin film aids fast penetration
- ▶ Good load carrying properties
- ▶ Excellent corrosion protection
- ▶ Available as bulk or convenient trigger pack
- ▶ Temperature range -50°C to +180°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15120	500ml
15126	5L



If you require help in selecting a product,
contact ROCOL® direct: +44 (0) 113 232 2600

FOODLUBE® Spray

High performance, aerosol propelled food grade lubricant

High performance versatile lubricant spray for all-round light lubrication of small bearings, pins, bushes and slides.

- ▶ Long lasting protective film
- ▶ Good corrosion protection
- ▶ Temperature range -20°C to +110°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15710	300ml



FOODLUBE® WD Spray

Food grade water displacing & lubricating spray with PTFE

The No. 1 food safe multi-purpose spray for general use in food, beverage and pharmaceutical plants.

- ▶ Clean, non toxic, water displacing spray
- ▶ PTFE fortified
- ▶ Silicone free formulation
- ▶ Excellent anti-wear and lubricating properties
- ▶ Superior penetrating and cleaning performance
- ▶ Outstanding corrosion protection
- ▶ Temperature range -50°C to +120°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15010	300ml



FOOD GRADE MULTI-PURPOSE MAINTENANCE PRODUCTS



FOODLUBE® Spray Grease

High performance, multi-purpose, food grade grease

Multi-purpose extreme pressure spray grease, fortified with PTFE, designed for the enhanced lubrication of all types of slides, bushes, pins and bearings.

- ▶ Significantly extends bearing life
- ▶ Superior load and wear properties
- ▶ Highly resistant to water washout
- ▶ Excellent corrosion protection
- ▶ Wide temperature range -50°C to +160°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15030	400ml



DRY PTFE Spray

Food grade, premium performance, invisible dry film lubricant

Market leading, low friction, non stick, PTFE lubricant for the dry lubrication of cams, slides, open bearings, chutes and shears.

- ▶ Non staining, friction reducing film
- ▶ High percentage, industry leading PTFE content
- ▶ Approved to Rolls Royce, Naval and NATO Standards
- ▶ Wide temperature range -200°C to +270°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
34235	400ml



PRECISION SILICONE Spray

Food grade, high performance, silicone aerosol

A high performance, colourless non stick lubricating film with wide temperature stability for use on slides, chutes, bearings and conveyors.

- ▶ Extended life and reduced waste due to significantly higher levels of active ingredient
- ▶ Resists oxidation and corrosion
- ▶ Non toxic, clean and colourless
- ▶ Approved to NATO Standards
- ▶ Wide temperature range -50°C to +200°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
34035	400ml



BELT DRESSING Spray

Food grade spray to eliminate belt slip and maximise belt life

The original spray for conditioning and lubricating all types of drive and conveyor belts.

- ▶ Adheres strongly to any belt material
- ▶ Gives instant grip, prevents glazing and reduces slippage
- ▶ Conditions to prevent cracking and breakage
- ▶ Resists build up of grease and dirt
- ▶ Non toxic and colourless
- ▶ Temperature range -50°C to +100°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
34295	300ml



FOODLUBE® Sugar Dissolving Fluid

Food grade spray to dissolve and remove sugars and fondants from all surfaces

Rapidly dissolves all sugars and fondants from all surfaces leaving a light lubricating, protective film.

- ▶ Rapid penetrating action
- ▶ Protects against corrosion
- ▶ Available in bulk and easy to apply trigger spray
- ▶ Temperature range +5°C to +95°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code	Size
15110	500ml
15116	5l



FOOD GRADE SEAMER FLUIDS / ROTARY COOKER



MULTI-PURPOSE
MAINTENANCE PRODUCTS



FOODLUBE® SEAMER FLUID 150

Food grade, multi-purpose lubricant fortified with PTFE

A fully synthetic, multi-purpose lubricant, fortified with PTFE for effective lubrication particularly on chains, bearings and slides.

- ▶ Clean, non-toxic, thin film aids fast penetration
- ▶ Good load carrying properties
- ▶ Excellent corrosion protection
- ▶ Available as bulk or convenient trigger pack
- ▶ Temperature range -50°C to +180°C
- ▶ NSF H1 Registered
- ▶ ISO 21469 Certified

Part Code
16029

Size
200L



FOODLUBE® RC 460

A highly viscous, food grade, multipurpose lubricating fluid

A high performance, non-toxic lubricant that has been specifically developed as a rotary cooker lubricant and is particularly suited for use in Manzel lubricators often found on this equipment.

- ▶ Offers a wide operating temperature resistance -10°C to +150°C
- ▶ Provides excellent adhesion to metal surfaces reducing fling off
- ▶ Highly resistant to water wash off making it ideal for applications where persistent water contamination, or frequent wash down, occurs
- ▶ Excellent anti-wear properties extending component life and reducing downtime

Part Code
16069

Size
200L



FOOD GRADE

PUROL™ 3H LUBRICANTS

FOR DIRECT FOOD CONTACT



MULTI-PURPOSE
MAINTENANCE PRODUCTS



PUROL™ GREASE / SPRAY GREASE

3H direct food contact, multi functional grease

ISO 21469 Certified multi-purpose grease and food processing release agent for direct food contact.

- ▶ NSF-3H Registered: Release agent for direct contact with food
- ▶ NSF-H1 Registered: Safe for incidental contact with food
- ▶ Does not contain animal derived materials, nut oils or genetically modified ingredients
- ▶ Reduces equipment down-time
- ▶ Increases re-lubrication intervals
- ▶ Excellent temperature resistance (-10°C to +110°C)
- ▶ Easy targeted application by grease gun or manually
- ▶ Excellent technical support and service engineers

Part Code	Size
15611	370g
15616	4kg
15631	400ml



PUROL™ FLUID

3H direct food contact, multi-functional oil

PUROL Fluid is a clear, non toxic lubricant designed for the effective lubrication and protection of seals, guides, bearings and blades particularly those operating in food, pharmaceutical and other clean environments where direct food contact is inevitable.

- ▶ NSF-3H Registered-for direct contact with food
- ▶ NSF-H1 Registered-safe for incidental food contact
- ▶ Less risk of contamination
- ▶ ISO 21469 Certified-audit trail peace of mind
- ▶ Excellent wide temperature resistance -10°C to +110°C
- ▶ Good oxidation stability results in extended lubrication intervals
- ▶ For use as a direct food contact release agent and as a lubricant
- ▶ Suitable for protecting knives and surfaces from corrosion

Part Code	Size
15617	500ml
15618	5L
15619	20L
15620	200L



What is Rocolcare?

ROCOLcare is the premium service package for the food, clean and associated industries that offers the following features and benefits:

Increased efficiency

Increases lubricant efficiency, improvements in plant productivity and reduction in costs.

Risk reduction

Establishes all your lubricant requirements and ensures contamination free lubrication.

Rationalisation

Rationalises your lubricant usage and reduces your stock holding on site.

Full audit compliance

ROCOL is the UK's first ISO 21469:2006 certified lubricants manufacturer. ISO 21469 is a globally recognised hygiene certification that ticks an important box for auditors as it provides credible, independent assurance that all Rocol products are formulated, manufactured and supplied hygienically and safely.

Training

Best practice lubrication training is available.

ROCOLcare customers:

Enjoy peace of mind

Assurance that you and the lubrication experts are working together in partnership.

Achieve operational excellence

Efficiencies are increased through the Rocol preventative and proactive approach to lubrication management.

Optimise and rationalise

Rationalises your lubricant usage and reduces your stock holding on site.

Have assurance of full traceability

All Rocol products are developed, manufactured, passed through a stringent QC process and despatched from the Rocol UK manufacturing site.



TPM Compatible

- ▶ Rocolcare is modular and can be integrated into your continuous improvement programme





ISO 21469 Certified

“ROCOLcare is your complete lubrication solution. Our tailored program contains 7 modular elements to give you the best service according to your needs”



1. FOODLUBE® PRODUCTS

A comprehensive range of NSF H1-3H ISO 21469 Certified products ensures audit compliance & gives full traceability



4. PLANT MANAGEMENT

A fully stainless steel dispensing equipment to store all your lubricants and the relevant documentation



6. TECHNICAL SUPPORT

On & off-site support from a team of chemists and professional engineers plus a 24hr helpline for emergencies



2. SURVEY

A bespoke survey of your lubrication requirements matches every single application with the correct lubricant



3. LUBRICATION MANAGEMENT

All ROCOLcare customers have access to a lubrication management software package



5. TRAINING

Certified training helps staff to understand the essential principles of lubrication and how to apply them











7. SERVICE ENGINEERING

Highly qualified industry experts, all with SAFE CONTRACTOR certification ensure smooth and efficient operation

INDUSTRIAL MAINTENANCE PRODUCT SELECTOR

BEARINGS

LOW TEMP (-50°C)		MEDIUM TEMP (-30°C - +150°C)						HIGH TEMP (UP TO +235°C)	
		NORMAL SPEED (below)				HIGH SPEED (up to 3000rpm)		EXTREME HIGH SPEED (>3000rpm)	
		NORMAL CONDITIONS	LIGHT/HEAVY LOAD	WET	HIGH LOAD				
					VIBRATION LOAD				
									
SAPPHIRE LO-TEMP 2 SAPPHIRE PREMIER 2		SAPPHIRE ADVANCE 2	SAPPHIRE 2, 1,000	SAPPHIRE AQUA 2	SAPPHIRE EXTREME 2 SAPPHIRE HI LOAD 2	SAPPHIRE ADVANCE 2 SAPPHIRE PREMIER 2	SAPPHIRE HI-SPEED 2		SAPPHIRE PREMIER 2 SAPPHIRE EXTREME 2
IDEAL FOR COLD STORES AND REFRIGERATED AREAS FANS & OTHER LOW TEMP BEARINGS		ELECTRIC MOTORS AND FAN BEARINGS	TRIPLE LIFE BEARING GREASE	WATER RESISTANT GREASE FOR ALL APPLICATIONS	CRUSHES EXCAVATORS, & HEAVY DUTY EQUIPMENT SLOW MOVING, PLAIN BEARINGS & SLIDES	ELECTRIC MOTORS, FANS & GENERAL APPLICATIONS	ELECTRIC MOTORS, FANS & GENERAL APPLICATIONS		ELECTRIC MOTORS, FANS & GENERAL APPLICATIONS WATER RESISTANT GREASE FOR ALL APPLICATIONS

GENERAL LUBRICATION

NORMAL CONDITIONS					WET/DAMP ENVIRONMENTS	DIRTY/DUSTY ENVIRONMENTS			DRIVE BELTS	SILICONE GREASE
MED/HEAVY DUTY		LIGHT DUTY			WATER DISPLACING	MED / HEAVY LOAD		LIGHT LOAD	PREVENT DRIVE BELT SLIPPING	POTABLE/ DRINKING WATER
OILY FILM	GREASY FILM	THIN OILY FILM	THIN OILY SILICONE FILM	DRY PTFE FILM	THIN OILY FILM	FOR IMMEDIATE USE	3 HOURS FOR FULL CURE			
										
SAPPHIRE PRECISION LUBE	SAPPHIRE SPRAY GREASE	WD SPRAY	PRECISION SILICONE SPRAY	DRY PTFE SPRAY	WD SPRAY	DRY MOLY PASTE	DRY MOLY SPRAY	DRY MOLY SPRAY	BELT DRESSING SPRAY	SAPPHIRE AQUA-SIL
LINKS, PINS, PIVOTS, BEARINGS, CHAINS	BEARINGS, LINKS, PINS, SLIDES	PROTECTS LINKS, PINS, BUSHES	SLIDES, CHUTES, GENERAL LIGHT LUBRICATION	SLIDES, CHUTES, GENERAL LIGHT LUBRICATION	PROTECTS LINKS, PINS, BUSHES	BUSHES, SLIDES & CAMS	BUSHES, SLIDES & CAMS	SLIDES, CHUTES, GENERAL LIGHT LUBRICATION	VEE, FLAT & CONVEYOR BELTS. STOPS DRYING OUT AND REDUCES CRACKING AND BREAKING	O-RINGS SEALS & PLASTICS. STOPS DRYING OUT AND REDUCES CRACKING AND BREAKING

POWER TRANSMISSION

AIR COMPRESSORS		HYDRAULICS	OPEN GEARS		GEARBOXES	
COMPRESSOR OIL	AIRLINE LUBRICATORS		NORMAL CONDITIONS	SUBMERGED OR WET GEARS	SPUR/HELICAL GEARBOXES	WORM DRIVE GEARBOXES
						
SAPPHIRE HI-POWER 68/100	SAPPHIRE HI-POWER 22	SAPPHIRE HI-POWER 32/46	TUFGEAR UNIVERSAL SPRAY	TUFLUBE ALL WEATHER	SAPPHIRE HI-TORQUE 100/220/320	SAPPHIRE HI-TORQUE 460/680
SCREW, VANE & RECIPROCATING AIR COMPRESSORS	ALL TYPES OF AIRLINE LUBRICATION BOTTLES	ALL TYPES OF HYDRAULIC POWER PACK	OPEN GEARS, RACKS PINIONS	EXPOSED GEARING PENSTOCK, SLIDES & SCREW APPLIED AND STICKS UNDER WATER. SELF REPAIRING. DESIGNED FOR OUTDOOR CRANES ETC.	MEDIUM/HIGH SPEED DRIVE UNITS. BLUE DYE HIGH VISIBILITY TO DETECT LEAKS. EXTENDS THE LIFE OF GEARS	SLOW SPEED WORM DRIVE UNITS

INDUSTRIAL MAINTENANCE PRODUCT SELECTOR

CORROSION

REMOVABLE FILM		PERMANENT FILM
 <p>Z30 SPRAY WAXY FILM WITH 2 YEAR OUTDOOR PROTECTION</p> <p>HEAVY DUTY RUST SHIELD CONTAINS RED DYE</p>	 <p>COLD GALVANISING RANGE BRIGHT, MATT AND HOT DIP FINISH. OPTIMUM GALVANIC PROTECTION</p>	

CLEANERS

GENERAL PURPOSE			ELECTRICAL
WATER WASHABLE		RESIDUE FREE	RESIDUE FREE
HEAVY DUTY AEROSOL	BULK	LIGHT DUTY	
 <p>HEAVY DUTY CLEANER/FLUID REMOVES HEAVY GREASE OIL & GRIME</p>		 <p>FOAM CLEANER SPRAY ANTI-STATIC ALL SURFACE CLEANER</p> <p>STAINLESS STEEL CLEANER REMOVES GREASE, OIL & GENERAL GRIME FROM MOST METAL SURFACES AND IS PARTICULARLY EFFECTIVE ON STAINLESS STEEL</p>	 <p>INDUSTRIAL CLEANER RAPID DRY SPRAY REMOVES GREASE, OIL & GENERAL DIRT</p> <p>ELECTRA CLEAN ELECTRIC MOTORS, RELAYS, SWITCHGEAR</p>

ASSEMBLY

ANTISEIZE/DISMANTLING		
COPPER BASED	MoS ₂ BASED	RELEASING SEIZED COMPONENTS
 <p>ANTISEIZE COMPOUND/SPRAY ALL STATIC FASTENERS & MECHANISMS</p>	 <p>DRY MOLY PASTE/SPRAY ALL STATIC FASTENERS & MECHANISMS</p>	 <p>PENETRATING SPRAY PENETRATING RELEASES & CLEANS</p> <p>SHOCK RELEASE SPRAY FREEZER RELEASE AGENT</p>

ASSEMBLY & DRY FILM LUBRICATION	
FOR IMMEDIATE USE	3 HOURS FOR FULL CURE
 <p>DRY MOLY PASTE SLIDES, CAMS, BUSHES, PINS & GEARS</p>	 <p>DRY MOLY FLUID/SPRAY SLIDES, CAMS, BUSHES, PINS & GEARS</p>

DRIVE & CONVEYOR CHAINS

LOW/TEMP (-30°C TO +120°C)			HIGH TEMP (100°C TO +280°C)
NORMAL CONDITIONS	HIGH LOAD	DIRTY/DUSTY ENVIRONMENTS	RESIDUE FREE
 <p>CHAIN & DRIVE FLUID/SPRAY ALL CHAIN TYPES, SPRAY EXCELLENT CORROSION PROTECTION</p>	 <p>CHAIN GUARD HI-LOAD ALL HIGH LOAD CHAINS INCLUDING FORK LIFT TRUCKS</p>	 <p>DRY MOLY FLUID/SPRAY ALL DRY CHAIN APPLICATIONS</p>	 <p>CHAIN GUARD 280 ALL HIGH TEMP CHAIN APPLICATIONS</p>



SITE SAFETY PRODUCT SELECTOR

EASYLINE® PERMANENT LINE MARKER

APPLICATOR



EASYLINE® Edge Applicator

APPLICATOR FOR EASYLINE AQUA PAINT, PROVIDES 3 WIDTHS OF LINE: 50, 75 AND 100 MM

STENCILS



Large Disabled Stencil

RANGE OF STENCILS TO ACHIEVE ALL YOUR MARKING TASKS IN YOUR WORK ENVIRONMENT

ANTI-SLIP SOLUTIONS

FLOOR COATINGS



SAFE STEP® 50

FOR USE IN LARGE AREAS WHERE A LOW PROFILE PEDESTRIAN GRADE ANTI-SLIP COATING IS REQUIRED

FLOOR COATINGS



SAFE STEP® 100

A HIGH PERFORMANCE, SINGLE PACK EPOXY ESTER ANTI-SLIP COATING SUITABLE FOR HEAVY PEDESTRIAN TRAFFIC.

FLOOR COATINGS



SAFE STEP® 200

A HIGH PERFORMANCE, TWO PART EPOXY ANTI-SLIP COATING SUITABLE FOR HEAVY VEHICULAR TRAFFIC.

FLOOR COATINGS



SAFE STEP® 500 SF

EXTRA HEAVY DUTY, TWO PART EPOXY ANTI-SLIP COATING PROVIDING SUPERIOR RESISTANCE TO CHEMICALS AND WEAR.

FLOOR COATINGS



SAFE STEP® Anti Slip Spray

LIGHT ANTI-SLIP COATING IN SPRAY FOR AN APPROXIMATE DURABILITY OF 6 MONTHS DEPENDING ON APPLICATION.

FLOOR COATINGS



SAFE STEP® Non Metal Primer

TWO-PACK FAST DRYING EPOXY PRIMER/SEALER FOR NON METAL SURFACES.

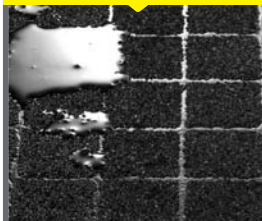
FLOOR COATINGS



SAFE STEP® Metal Primer

TWO-PACK FAST DRYING EPOXY PRIMER FOR METAL SURFACES.

PANELS, TREADS & STAIR NOSINGS



SAFE STEP® Matrix™

HIGHLY RESISTANT RANGE OF PANELS AND TREADS PROVIDING ANTI-SLIP SOLUTION FOR PEDESTRIAN TRAFFIC

TAPES



SAFE STEP® Tape 25mm x 18.25m

LARGE RANGE OF ANTI-SLIP TAPES.

REPAIR PRODUCTS

REPAIR



SAFE STEP® Asphalt Repair Compound

FAST DRYING ASPHALT REPAIR COMPOUND

REPAIR



SAFE STEP® Concrete Repair Compound

HIGHLY RESISTANT CONCRETE REPAIR COMPOUND FOR INTERNAL AND EXTERNAL USE.

REPAIR



SAFE STEP® Heavy Duty Epoxy Repair

HIGHLY RESISTANT RESIN REPAIR COMPOUND FOR INTERNAL AND EXTERNAL USE.

TRAFFIC MANAGEMENT








PACERS®




HIGH PERFORMANCE SPEED REDUCTION SYSTEM TO 5MPH & 15MPH, SUPPORTS UP TO 44 TONS

METAL WORKING PRODUCT SELECTOR

REAMING, TAPPING AND DRILLING LUBRICANTS

<p>HAND APPLIED METAL CUTTING LUBRICANTS</p>  <p>RTD® LIQUID REAMING, TAPPING AND DRILLING LUBRICANT SPECIFICALLY FORMULATED TO DOUBLE TOOL LIFE</p>	<p>HAND APPLIED METAL CUTTING LUBRICANTS</p>  <p>RTD® CLEANCUT NON-STAINING METAL CUTTING LIQUID WHICH DOUBLES TOOL LIFE</p>	<p>HAND APPLIED METAL CUTTING LUBRICANTS</p>  <p>RTD® COMPOUND METAL CUTTING COMPOUND SUITABLE FOR THE MOST SEVERE CUTTING OPERATIONS</p>	<p>HAND APPLIED METAL CUTTING LUBRICANTS</p>  <p>RTD® SPRAY METAL CUTTING SPRAY IDEAL FOR USE WHERE ACCESSIBILITY IS A PROBLEM</p>	<p>HAND APPLIED METAL CUTTING LUBRICANTS</p>  <p>RTD FOAMCUT SPRAY FOAMING LOW ODOUR SPRAY LUBRICANT SUITABLE FOR SEVERE CUTTING OPERATIONS</p>
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CUTTING FLUID

<p>VALUE ENGINEERED METALWORKING FLUIDS</p>  <p>V-cut™ MT GENERAL PURPOSE WHITE MILKY FLUID FOR LIGHT/MEDIUM CUTTING OPERATIONS</p>	<p>VALUE ENGINEERED METALWORKING FLUIDS</p>  <p>V-cut™ SS GENERAL PURPOSE, GREEN SEMI SYNTHETIC FLUID SUITABLE FOR CUTTING AND GRINDING OPERATIONS</p>	<p>VALUE ENGINEERED METALWORKING FLUIDS</p>  <p>V-cut™ EP HEAVY DUTY WHITE MILKY FLUID SUITABLE FOR ALL MATERIALS, PARTICULARLY HARDENED STEELS AND DIFFICULT TO MACHINE ALLOYS</p>
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SLIDEWAY LUBRICANTS

<p>MACHINE TOOL SLIDEAWAY LUBRICANTS</p>  <p>ULTRAGLIDE SPRAY TOTAL PROTECTION SLIDEAWAY LUBRICANT IN AEROSOL</p>	<p>MACHINE TOOL SLIDEAWAY LUBRICANTS</p>  <p>ULTRAGLIDE X5 TOTAL PROTECTION SLIDEAWAY LUBRICANT, HIGHLY TENACIOUS, REDUCE WEAR</p>
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WELDING AND FABRICATION

<p>NON DESTRUCTIVE TESTING DYE PENETRANT SYSTEM</p>  <p>FLAWFINDER CLEANER FAST DRYING, NO RESIDUE CLEANER</p>	<p>NON DESTRUCTIVE TESTING DYE PENETRANT SYSTEM</p>  <p>FLAWFINDER DYE PENETRANT PRECISION CRACK DETECTION PENETRANT</p>	<p>NON DESTRUCTIVE TESTING DYE PENETRANT SYSTEM</p>  <p>FLAWFINDER DEVELOPER SPRAY PRECISION CRACK DETECTION DEVELOPER</p>
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MOULD TOOL CORROSION PROTECTIVE

<p>METAL MARKING INKS</p>  <p>LAYOUT INK SPRAY ULTIMATE FAST DRYING METAL MARKING INK AVAILABLE IN WHITE OR BLUE</p>	<p>WELD SPATTER RELEASE</p>  <p>SPATTER RELEASE SPRAY ECONOMICAL NON FLAMMABLE SPATTER RELEASE</p>	<p>WELD SPATTER RELEASE</p>  <p>SPATTER RELEASE FLUID - OIL FREE PAINTABLE WATER BASED SPATTER RELEASE</p>	<p>MOISTURE GUARD/ METAL GUARD</p>  <p>MOISTURE GUARD GREEN SPRAY FLEXIBLE DEWATERING FILM PROTECTING AGAINST CORROSION CAUSED BY MOISTURE OR DAMP ATMOSPHERE, SILICONE FREE</p>
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ROCOL® House, Swillington, Leeds LS26 8BS

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E customer-service@rocol.com

ROCOL® is a trademark of ITW Inc.

www.rocol.com

ROCOL® A division of **ITW** Ltd



INVESTORS
IN PEOPLE



**"WE'RE VERY PLEASED
WITH THE EASYLINE®
SYSTEM, ESPECIALLY
AS THE FLOORS WE'RE
MARKING ARE OLD
AND UNEVEN.
THE EASYLINE®
APPLICATOR MARKS
THE STRAIGHTEST
LINES TOO."**

ANDREW DOCWRA,
TPM CO-ORDINATOR, UNILEVER
(COLMANS OF NORWICH)

**"YOUR MACHINE WAS
PERFECT. WE SAVED
TIME AND HEALTH
CONCERNS WERE
ELIMINATED. IT WAS
A VERY CLEAN,
MOBILE AND LIGHT
UNIT INDEED. NO
MORE EMULSION
FOR US."**

FORBES MCGREGOR,
BRAEMER HIGHLAND GAMES

**EASYLINE® EDGE
ROCOL HOUSE
SWILLINGTON
LEEDS
LS26 8BS
UNITED KINGDOM**

WWW.EASYLINEEDGE.COM

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+44 (0) 113 232 2700**

**FAX:
+44 (0) 113 232 2740**

**EMAIL US:
easylineedge@rocol.com**

**THE
GREATEST
LINES
FROM
EASYLINE®**

KNOW YOUR LINES

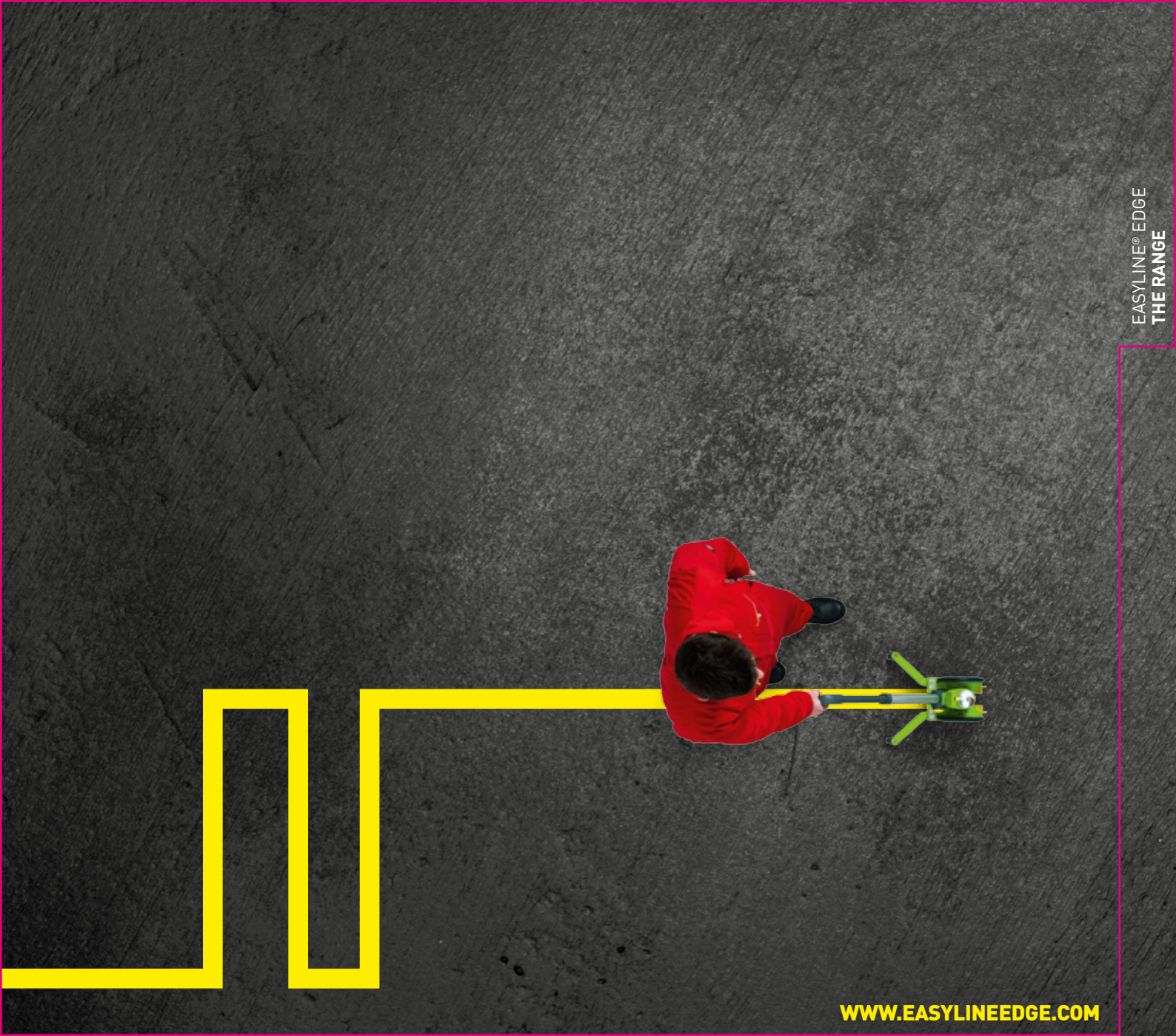


EVERY JOB WORTH DOING IS WORTH DOING RIGHT

This guide is to help you help your customers get the most from their line-marking projects.

Inside you'll find key info on the EASYLINE® product range, the sectors we work in, quick usage tips and technical data too.

It's also available online – just type in easylineedge.com



EASYLINE® EDGE
THE RANGE

WWW.EASYLINEEDGE.COM

THE EASYLINE® RANGE THE SYSTEM

We understand that line-marking can be a task, so we've made everything as easy for you as we possibly can.



FEATURES AND BENEFITS

- 3 line widths: 50mm, 75mm & 100mm
- Line-mark close to walls and racking systems
- For internal and external use
- Quick and easy to use
- Heavy-duty storage case
- Clean, sharp lines

RECOMMENDED COLOURS

GENERAL MARKING



HAZARD/CAUTION



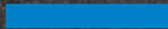
CHEMICAL STORAGE



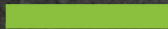
DANGER/PROHIBITION



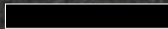
MANDATORY/PROTECTION



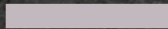
INFORMATION/DIRECTION



DELETE EXISTING LINE



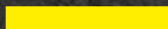
DELETE EXISTING LINE



FLUORESCENT PINK



FLUORESCENT YELLOW

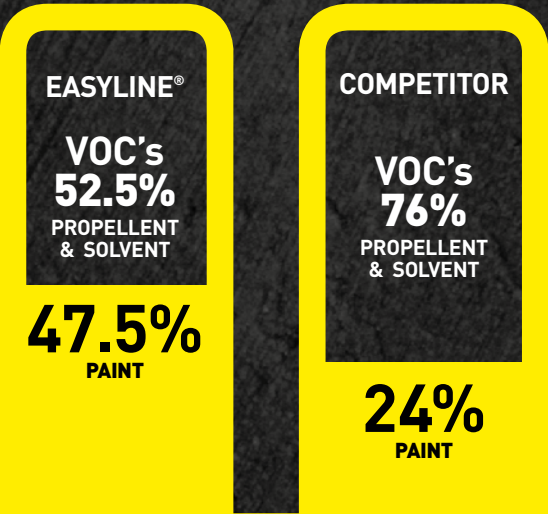


THE EASYLINE® RANGE EDGE PAINT

IT'S EXCELLENT VALUE-FOR-MONEY

- 100% more paint than most other systems
- Up to 100m of a 50mm (2") wide line
(based on a dry, smooth, sealed concrete surface)
- Lasts twice as long as our closest competitor
- No need for expensive contractors

HIGHEST PAINT CONTENT



IT'S QUICK AND EASY-TO-USE

- Touch-dry in 10 minutes
- Ready for light traffic in 30 minutes
- Intuitive EASYLINE® applicator
- Professional quality lines

CRISP, CLEAN LINES



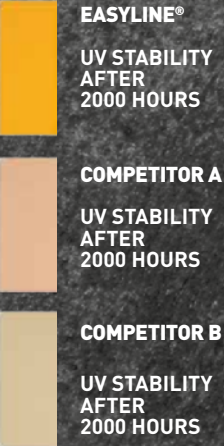
IT PERFORMS BRILLIANTLY

- Twice as durable as any other paint on the market
- Maintains its bright colour longer than other competitors
- Chemically-resistant

DURABILITY ASTM D4060-84



COLOUR STABILITY






HEALTH, SAFETY & ENVIRONMENT FOCUSED

- One of the lowest VOC systems on the UK market
- Non-irritant formula*
- Not harmful to the environment*
- Not harmful to aquatic life*

*Evaluated under EC directive 1999/45/EC

SAFER FORMULATION

	IRRITANT	HARMFUL TO THE ENVIRONMENT
EASYLINE®	NON IRRITANT	NOT HARMFUL TO THE ENVIRONMENT
COMPETITOR A	 HARMFUL	
COMPETITOR B	 IRRITANT	HARMFUL TO THE ENVIRONMENT

THE EASYLINE® RANGE EXTENDED RANGE

STENCILS

- EASYLINE® stencils are the quick and easy way to produce clear markings for indoor and outdoor locations
- Made from strong polypropylene
- Re-useable
- Heavy-duty storage case
- Play shapes for schools
- Numbers
- Upper and lower case letters



EASYLINE® HAND-HELD APPLICATOR

- Hand-held applicator used for free-hand marking and stencilling
- This system gives the user added comfort and ease of use

EASYLINE® UNIVERSAL APPLICATOR

- Two line widths: 55mm & 75mm
- Ideal for rough or uneven surfaces
- Ideal for grass, gravel or rough tarmac



THE EASYLINE® RANGE

PAINT CODES



USAGE	PRODUCT	CODE
GENERAL MARKING	EASYLINE® PAINT WHITE 	47000
HAZARD/CAUTION	EASYLINE® PAINT YELLOW 	47001
DANGER/PROHIBITION	EASYLINE® PAINT RED 	47002
MANDATORY/PROTECTION	EASYLINE® PAINT BLUE 	47003
INFORMATION/DIRECTION	EASYLINE® PAINT GREEN 	47004
CHEMICAL STORAGE	EASYLINE® PAINT ORANGE 	47005
DELETE EXISITING LINE	EASYLINE® PAINT BLACK 	47006
DELETE EXISITING LINE	EASYLINE® PAINT GREY 	47007
HIGH VISIBILITY	EASYLINE® FLUORESCENT PINK 	47008
HIGH VISIBILITY	EASYLINE® FLUORESCENT YELLOW 	47009

APPLICATOR CODES

USAGE	PRODUCT	CODE
CLEAN, SHARP LINES	EDGE APPLICATOR 	47010
GRASS & UNEVEN SURFACES	UNIVERSAL APPLICATOR 	46010
FREE-HAND USE	HAND-HELD APPLICATOR 	46013
INFORMATION	UPPER CASE STENCIL PACK - 150mm 	40141
INFORMATION	UPPER CASE STENCIL PACK - 300mm 	40144
DECORATIVE	PLAY SHAPES STENCIL PACK 	40146

EASYLINE® EDGE PAINT

TECHNICAL DATA

COLOUR 10 BRIGHT COLOURS:	White (RAL 9016), Yellow (RAL 1023), Red (RAL 3020), Blue (RAL 5017), Green (RAL 6024), Orange (RAL 2009), Black (RAL 9017), Grey (RAL 7045)*, Fluorescent Yellow and Pink	
DRYING TIMES RAPID DRYING:	Touch dry –	10 minutes
	Surface –	30 minutes
	Through dry –	70 minutes
	Hard dry –	~ 4 hours
	Vehicular Traffic –	Overnight
HIGH DURABILITY NO PICK-UP TIME	ASTM D406-84	30 minutes
	(Representative of light traffic)	
SUPERIOR TOUGH DURABILITY	24 hours	142
	7 days	189
	TABER ABRASION WEAR INDEX: (WHITE)	
USAGE AND SHELF LIFE	2 years	
MORE SURFACE BONDING THAN THE COMPETITION:	CROSS HATCH ADHESION BS3900; PART 6; 1974	Very good / Excellent
HARD WEARING FLEXIBILITY	CONICAL MANDREL	Excellent
CHEMICAL RESISTANCE: SOLVENT RESISTANCE (After 7 days)	Resistant to most general chemicals for example: detergents, petrol, diesel and oil	
FLEXIBLE APPLICATION	5° to 30°C	

* Colours are matched to RAL Codes

PREPARING THE SURFACE

Any surfaces covered in heavy grime or grease should be cleaned with a heavy duty cleaner, thoroughly washed down with water after use and allowed to dry.

PREPARATION

- Clean surface
- Needs to be dry
- Needs to be dust and debris-free

STEEL

- Clean surface
- If possible, abrade the surface
- Needs to be dry
- Needs to be dust and debris-free

CONCRETE

- Clean surface
- Use an acid etch solution on new or smooth concrete

ASPHALT

- Clean surface
- Needs to be dry
- Needs to be dust and debris-free

NEW TARMAK

- Clean surface
- Needs to be dry
- Needs to be dust and debris-free
- Paint first line quickly as a sealer
- When paint has dried, re-apply over top of line

THE EASYLINE® RANGE

APPLYING EASYLINE®



SHAKE CAN FOR 1 MINUTE
AND ATTACH YELLOW NOZZLE



SET WIDTH



INSERT INTO APPLICATOR
USING YELLOW NOZZLE



PULL TRIGGER



WALK



CLEAN NOZZLE AFTER USE

THE EASYLINE® RANGE

QUICK HINTS AND TIPS



USE A STRAIGHT OBJECT SUCH AS A SCAFFOLD POLE, LENGTH OF WOOD OR ALUMINIUM LADDERS TO OBTAIN THE STRAIGHTEST LINE



FOR A CLEAN AND SHARP END, START AND FINISH JUST USE A PIECE OF CARD



REMEMBER TO ALWAYS USE THE YELLOW ACTUATOR WITH THE EDGE APPLICATOR



**USE MASKING TAPE WHEN
USING STENCILS**



**WHEN USING EITHER APPLICATOR
LIFT THE BACK WHEELS TO
LAY CURVES**

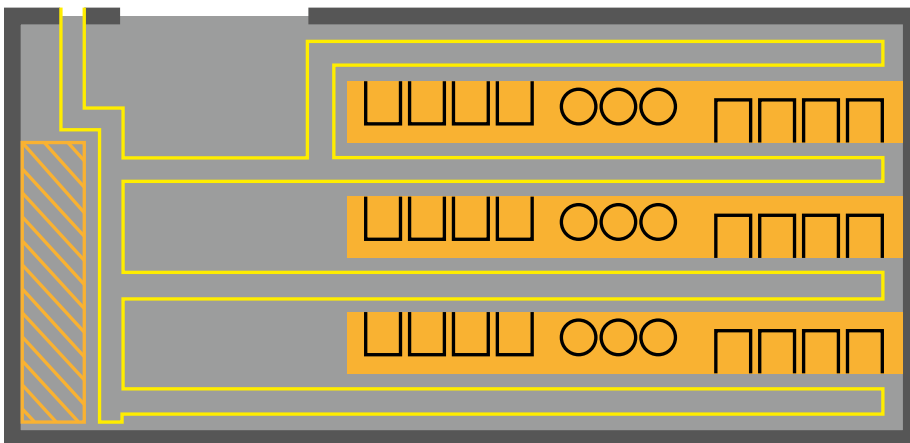


CLEAN MASKING PLATES WITH RCOL ANTI-GRAFITTI WIPES AFTER EACH USE

THE GREATEST LINES
FOR WAREHOUSE AND DISTRIBUTION

**HARD WEARING, VISIBLE
AND FAST DRYING -
IDEAL FOR WAREHOUSES**





SUGGESTED LAYOUTS:



CHEMICAL
STORAGE

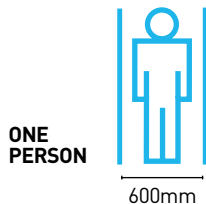


WALKWAY



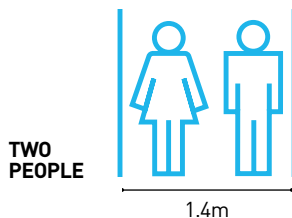
RACKING

CLEAR WIDTH FOR PEOPLE:



ONE
PERSON

600mm



TWO
PEOPLE

1.4m

QUICK TIPS

- Adjust rear wheels to get close to racking
- Always ensure the surface is clean and free from dust and debris
- Allow enough drying time: leave 30 minutes before walking on it, and for vehicular traffic, leave overnight
- Remember you have 3 line widths to choose from: 50, 75 & 100mm
- Make sure you calculate the right amount of paint. You can get up to 100m on a 50mm line (based on a dry, smooth, sealed concrete surface)

COLOUR GUIDE

- GENERAL MARKING
- HAZARD CAUTION
- CHEMICAL STORAGE
- DANGER / PROHIBITION
- MANDATORY / PROTECTION
- INFORMATION / DIRECTION
- DELETE EXISTING LINES
- DELETE EXISTING LINES





THE GREATEST LINES
FOR WAREHOUSE AND DISTRIBUTION

**“I WAS PLEASED WITH EASYLINE®’S
SPEED OF APPLICATION, THE
MINIMUM DOWNTIME, AND
ESPECIALLY AT HOW BRIGHT AND
SHARP THE LINES CAME OUT.”**

DAVID REEMAN, PREMISES MANAGER, BEKO PLC

NO MORE CROSSED LINES FOR BEKO PLC

Beko’s car park isn’t just for cars. It’s got lorry, pedestrian and out-of-bounds areas to accommodate too. That’s a lot of lines, and after the previous cold winter, their existing thermoplastic markings had definitely seen better days.

Enter EASYLINE®. Beko found EASYLINE® paint easy to apply, quick to dry and with double the paint per tin than most other brands, fantastic value for money.

EASYLINE® LINE MARKING PAINT WAS CHOSEN BECAUSE:

- **Excellent durability against both vehicular and pedestrian traffic**
- **Ease of application**
- **Minimal down-time during application (paint was trafficable after 1 hour)**
- **Bright, sharp lines with minimal overspray**
- **Does not crack or lift in cold weather**

THE GREATEST LINES
FOR FACILITIES MANAGEMENT

**DURABLE, EASY TO APPLY
AND NOT HARMFUL TO
THE ENVIRONMENT - IDEAL
FOR USE IN FACILITIES
MANAGEMENT**

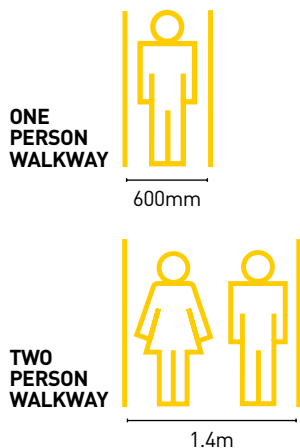




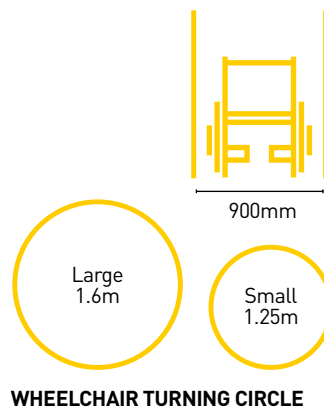
QUICK TIPS

- Always make sure the ground is clean, dry and debris-free
- Don't use while there are cars in the car park
- Use a chalk line or a straight edge to get the straightest lines
- For crisp ends use a piece of card at the beginning and end of a line
- 1 tin of EASYLINE® should mark out up to 6 standard bays

SUGGESTED LAYOUTS:



CLEAR WIDTH FOR WHEELCHAIR:



COLOUR GUIDE

- GENERAL MARKING
- HAZARD CAUTION
- DELETE EXISTING LINES
- DELETE EXISTING LINES
- CHEMICAL STORAGE
- DANGER / PROHIBITION
- MANDATORY / PROTECTION
- INFORMATION / DIRECTION





THE GREATEST LINES
FOR FACILITIES MANAGEMENT

“THE AMOUNT OF PAINT IN EACH EASYLINE® TIN IS AT LEAST FOUR TIMES THE AMOUNT OF OUR CURRENT PAINT. AND THE EASYLINE® APPLICATOR IS MUCH EASIER TO USE THAN OUR CURRENT CUMBERSOME UNIT.”

DAVE MYLAM, FACILITIES MANAGER, HOLME GRANGE SCHOOL.

FOUR TIMES THE VALUE FOR HOLME GRANGE SCHOOL

The groundsman at Holme Grange School had tried lots of different line-marking paints, but none of them lasted long enough. They had considered EASYLINE® but the school bursar didn't want to pay our £25 price – especially as a competitor brand costs only £6.50.

To test it out, the groundsman used one tin of our paint on a large area of their car park, and came back saying, 'I'd have used nearly five tins of the other brand for just one tin of EASYLINE®'. The proof was in the using – and the result means everyone benefited from the EDGE system.

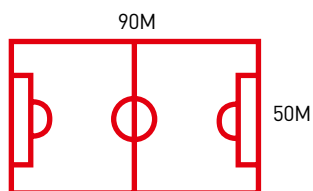
THE GREATEST LINES
FOR SPORTS AND EDUCATION

**FOR EVERY GYMNASIUM, CAR
PARK, CANTEEN, PLAYGROUND
AND SPORTS FIELD, THERE'S
AN EASYLINE® EDGE SOLUTION**

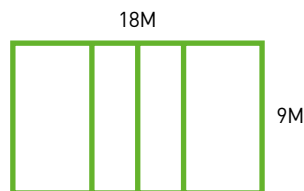




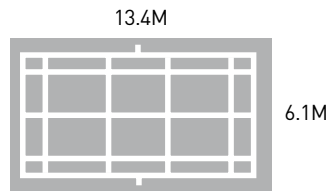
SUGGESTED LAYOUTS AND TYPICAL AMOUNT OF PAINT USED



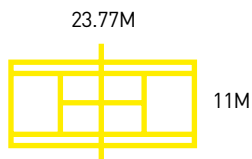
ASSOCIATION FOOTBALL
JUNIOR: **5 CANS**



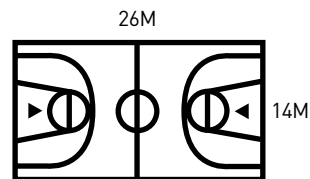
VOLLEYBALL: **1 CAN**



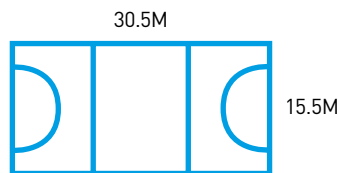
BADMINTON: **2 CANS**



TENNIS: **2 CANS**



BASKETBALL: **2 CANS**



NETBALL: **2 CANS**

Note: These designs are for guidance only. Refer to relevant association guidelines for full specifications.

QUICK TIPS

- Always design before you begin
- Our brightly coloured paint is ideal for playgrounds – we also have two fluorescent colours
- Use masking tape to stop the paint from bleeding and the stencil from moving
- If you're marking on grass, the Universal Applicator is ideal, and make sure the grass is cut first too
- Remember that lines on grass use up more paint than on clean, dry surfaces
- If you're stencilling a playground, consider making your own stencils, and ask the children to get involved too
- For more durable lines, apply 2 coats

COLOUR GUIDE

- FIVE-A-SIDE
- INDOOR TENNIS
- VOLLEYBALL
- BASKETBALL
- BADMINTON
- NETBALL





THE GREATEST LINES
FOR SPORTS AND EDUCATION

**"WE LOVE THE SAFE PAINT AND
EASY-TO-USE APPLICATOR; THE KIDS
LOVE THE PLAYGROUND'S FRESH,
VIBRANT COLOURS. WE'LL BE USING
EASYLINE® AGAIN."**

FULHAM PRIMARY SCHOOL

TAKING PLAY SERIOUSLY AT FULHAM PRIMARY

What makes a brilliant playground?
Vibrant colours, lively stencils and
the safest aerosol paints.

That's why the architects, Urban
Salon, chose EASYLINE® for their
project with Fulham Primary School.

Our environmentally safe paints
have one of the lowest VOC systems
on the UK market.

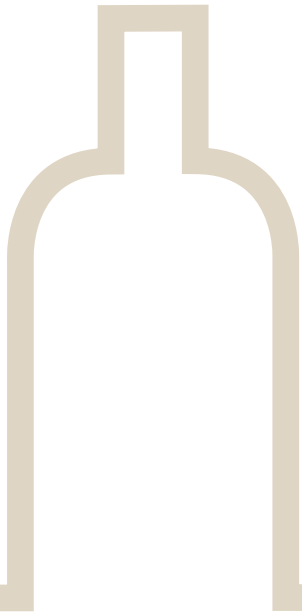
And because they dry so quickly, the
children could get straight out there
and enjoy every minute of their (new
and improved) playtime.

PRODUCTS USED:

- **EASYLINE®** Edge Aerosol Paint
- **EASYLINE®** Edge Applicator
- **EASYLINE®** Hand Held Applicator
- **EASYLINE®** Stencils

THE GREATEST LINES
FOR THE FOOD INDUSTRY

**AS IT'S LOW-ODOUR, NON-IRRITANT
AND NOT HARMFUL TO THE
ENVIRONMENT OR AQUATIC LIFE,
EASYLINE® IS IDEAL FOR THE
FOOD INDUSTRY**

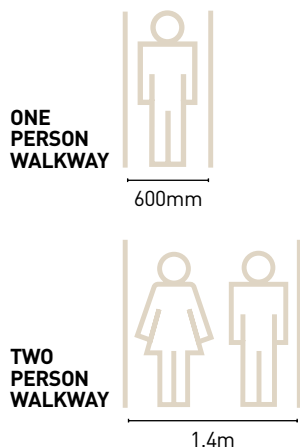




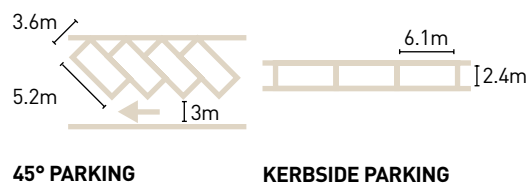
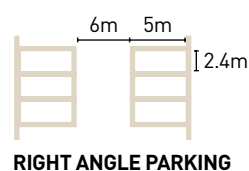
QUICK TIPS:

- Assess area to be marked to avoid possible tainting or contamination
- Never use while manufacturing lines are running
- Adjust rear wheels to get close to machines
- Use a straight edge to get the straightest lines
- Don't let anyone walk on the lines before the 30 minute drying time is up
- Always ensure the surface is dry, and free of dust and debris before use
- Leave to dry overnight before allowing vehicular traffic over it
- We also supply a fire extinguisher floor-making kit

SUGGESTED LAYOUTS:



CAR PARKING:



COLOUR GUIDE

- GENERAL MARKING
- HAZARD CAUTION
- DELETE EXISTING LINES
- DELETE EXISTING LINES
- CHEMICAL STORAGE
- DANGER / PROHIBITION
- MANDATORY / PROTECTION
- INFORMATION / DIRECTION





THE GREATEST LINES
FOR THE FOOD INDUSTRY

“THANKS TO EASYLINE®, OUR FACTORY
NOW HAS A FANTASTIC, SAFE
COLOUR-CODED SYSTEM THAT MAKES
EVERY WALKWAY, STORAGE AREA
AND FIRE EXIT HIGHLY VISIBLE.”

REXHAM BEVERAGE

A CLEAR SENSE OF DIRECTION FOR REXAM

Rexam Beverage wanted a colour-coded line marking system for their factory premises. They needed to identify walkways, product storage locations and fire exit routes on a concrete floor in their temperature controlled storage warehouse.

Rexam re-line every year, and having used EASYLINE® for the past two years, are confident about the quality and durability.

WHY REXAM CHOSE EASYLINE®:

- It's durable and easily applied without hiring an expensive contractor
- Minimal down-time during application (paint was trafficable after 1 hour)
- EASYLINE® was used both internally and externally to mark out walkways, pedestrian crossing points and chevron areas

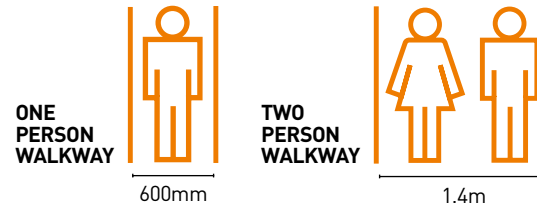
THE GREATEST LINES
FOR MANUFACTURING

**IT'S LONG LASTING, QUICK,
EASY AND PRODUCES BRIGHT,
DURABLE COLOURS IDEAL FOR
MANUFACTURING PLANTS**

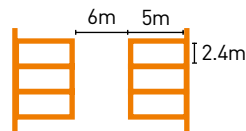




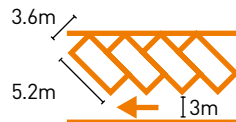
SUGGESTED LAYOUTS:



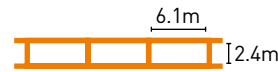
CAR PARKING:



RIGHT ANGLE PARKING



45° PARKING



KERBSIDE PARKING

QUICK TIPS

- Make sure the surface is clean and free from any dust or debris
- Ensure the weather forecast is good if you're using it outdoors
- Make sure you have cornered off the area you're going to be marking
- Double-check you've calculated the right amount of paint for the surface
- Leave to dry overnight before any vehicles go over it

COLOUR GUIDE

- GENERAL MARKING
- HAZARD CAUTION
- DELETE EXISTING LINES
- DELETE EXISTING LINES
- CHEMICAL STORAGE
- DANGER / PROHIBITION
- MANDATORY / PROTECTION
- INFORMATION / DIRECTION





THE GREATEST LINES
FOR MANUFACTURING

“THE EASYLINE® SYSTEM WAS ABSOLUTELY BRILLIANT. THE APPLICATOR WAS EASY TO USE AND SAVED A LOT OF TIME AND HASSLE. I WAS IMPRESSED WITH THE PERFORMANCE OF THE PAINT AS WELL. I NEVER EXPECTED IT TO LAST AS LONG AS IT DID – MUCH LONGER THAN OTHER AEROSOL PAINTS WE’VE USED.”

MICK MAGSON, YARD MANAGER, MARSHALLS PLC.

HELPING MARSHALLS HANDLE THE PRESSURE

Paving manufacturers, Marshalls, were having trouble finding a durable, long-lasting aerosol paint for their heavily trafficked loading area.

When they trialled EASYLINE®, it was by far the greatest product they had come across. In an area trafficked by 44 tonne vehicles daily, they were delighted with the visibility and toughness of the paint.

THE GREATEST LINES
FOR LOCAL AUTHORITIES

**COST EFFECTIVE, LONG LASTING
AND EASY TO USE. IDEAL FOR
LOCAL AUTHORITIES**

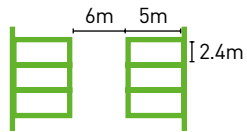




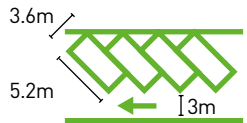
QUICK TIPS

- Use our stencil kit to mark a 'V' or 'Visitor' in the car parking bays
- Use our disabled bay stencils near entrances
- Make sure the surface is clean and free from any dust or debris
- Leave to dry overnight before any vehicles go over it
- Ensure the weather forecast is good if you are using it outdoors
- Make sure you have cornered off the area you're going to be marking

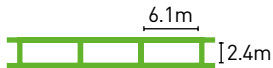
CAR PARKING:



RIGHT ANGLE PARKING

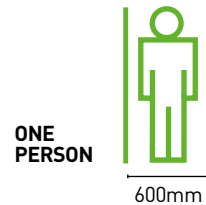


45° PARKING



KERBSIDE PARKING

CLEAR WIDTH FOR PEOPLE:



ONE
PERSON



TWO
PEOPLE

COLOUR GUIDE

- NORMAL PARKING BAY
- DISABLED PARKING BAY
- FOOTPATH
- CYCLE PATH
- NO PARKING





THE GREATEST LINES
FOR LOCAL AUTHORITIES

“WE’VE USED EASYLINE® PAINT FOR OVER TWO YEARS NOW. WE PREVIOUSLY USED CHALK PAINT AND A ROLLER WHICH WAS VERY TIME-CONSUMING, AND CONTINUAL RE-APPLICATION MADE IT VERY EXPENSIVE. FROM NOW ON, EASYLINE® PAINT IS THE NUMBER 1 CHOICE FOR ME.”

CHRIS POORE, HARINGEY COUNCIL

SCORING THE ADVANTAGE FOR HARINGEY COUNCIL

When Haringey Council needed a new paint for their outdoor tennis courts, they turned to EASYLINE®. The lines were laid using the EASYLINE® applicator, and the

hard-wearing results made a quick, easy but marked contrast to the chalk-based paint they’d used previously.

OUR CLIENTS
TESTIMONIALS

“EASYLINE® CREATES EXCEPTIONALLY CRISP, CLEAR RESULTS AND LASTS FOR AGES – IT’S EVEN BETTER THAN THERMOPLASTIC. THE PAINT AND EQUIPMENT IS STATE-OF-THE-ART, AND A REAL ASSET TO MY COMPANY. I HOLD IT IN THE HIGHEST REGARD.”

JOHN NGAU, DIRECTOR,
LITTER CLEAN SOLUTIONS

“THE EASYLINE® LINES ARE CRISP AND CLEAR, AND STAY DOWN MUCH LONGER THAN THE OLD THERMO PLASTIC LINES.”

GABRIEL KROUKAMP,
STORE MANAGER
ACCESS SELF STORAGE



ROCOL®

AEROSPACE
& DEFENCE

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GENERAL LUBRICATION/AIRFRAME

ROCOL® formulate and supply a comprehensive range of high performance airframe greases, lubricants and corrosion inhibitive coatings for use on both rotary and fixed wing aircraft. These products include AEROSPEC® 100 semi-fluid lubricant developed for the Airbus high lift system rotary actuator gearboxes and AEROSPEC 3052 lithium-based general airframe grease approved by Airbus and Boeing. ROCOL also provide a range high performance wheel bearing lubricants and corrosion inhibitors along with “Fit and forget” and “Sealed for life” solutions. More information on this can be found under perfluorinated lubricants on page 8.

- HIGH SPEED PLANETARY GEARBOXES
- ROTARY ACTUATORS
- AIRFRAME
- HIGHLY LOADED BEARINGS
- EXTREME ENVIRONMENTS

CONDITIONS	ROCOL PRODUCT	SPECIFICATION	TEMP RANGE	APPLICATIONS
SEMI FLUID	AEROSPEC®100	SAE AMS 3057 ZF B831 APPROVED FOR USE ON: Airbus 319, 320, 321, 330, 340, 380 Dowty Propeller Hubs Bombardier Dash 8	-56 TO +120°C	Semi fluid grease with operating temperature from -56°C to +120°C. Approved with Airbus for use on rotary actuators and gearbox drives.
GENERAL PURPOSE	AEROSPEC®200	XG-287 DEF STAN 91-53/3 NATO G354	-75 TO +120°C	Multipurpose aerospace grease for lubrication of gearboxes, AF bearings, plain bearings sliding mechanisms and bushes. Excellent performance in the presence of water.
	AEROSPEC®300	XG-291 XG-271 DEF STAN 91-105/2 NATO G421 DEF STAN 91-12/1 NATO G382	-40 TO +140°C	Long life general purpose bearing grease for aviation and shipping. Applications include gearboxes, anti friction and plain bearings. Excellent performance in the presence of water.
	AEROSPEC®210	XG-273 DEF STAN 91-85/1	-54 TO +120°C	Aircraft grade general purpose graphite grease, ideal for lubrication of leaf springs, lift guides, steel wire rope and bowden cables. Also used for lubrication of machine guns and small arms in hot dusty conditions.
	AEROSPEC®400	XG-294 DEF STAN 91-106/2 NATO G1352 AIMS 09-06-003 SAE AMS 3058	-54 TO +175°C	Aircraft grade multipurpose grease. Suitable for lubrication of a wide range of components including anti friction bearings, plain bearings, gearboxes and other mechanisms.
	AEROSPEC®3052	DEF STAN 91-53/3 SAE AMS 3052 AIMS 09-06-002 XG-287 BMS 3-33B* NATO G354	-73 TO +120°C	Lithium complex soap based grease containing a blend of synthetic base oils. Suitable for aerospace rotary actuators and gearboxes. *Meets the requirements
	AEROSPEC®250	XG-276 DEF STAN 91-57/2 NATO G353	-75 TO +120°C	Low temperature aerospace molybdenum disulphide based grease. Recommended for use on heavily loaded sliding mechanisms, anti friction bearings and splined shafts.
HIGH LOAD	AEROSPEC®350	XG-285 DEF STAN 91-54/2 NATO G355	-40 TO +120°C	For use in heavily loaded intermittent applications such as aircraft combustion starter gears and slow moving plain bearings and sliding surfaces.
	S-BG-305	XG-305 DEF STAN 91-64/2	-20 TO +120°C	Molybdenum disulphide grease for heavily loaded applications providing good anti seize performance. Applications include heavily loaded bearings and slide mechanisms.
	MTS 1000	AFS 1152 A	-20 TO +150°C	High load molybdenum disulphide grease for heavily loaded and slow moving bearings especially plain bearings.



CONDITIONS	ROCOL PRODUCT	SPECIFICATION	TEMP RANGE	APPLICATIONS
HIGH TEMPERATURE	SAPPHIRE® ENDURE	-	-25 TO +280°C	High performance EP lubricant fortified with PTFE suitable for long term lubrication of chains, valves, bearings slides and small gears operating in harsh environments.
	MHT GREASE	DTD 900/49190	100 TO +235°C	High temperature molybdenum disulphide grease for heavily loaded and slow moving bearings especially plain bearings above 100°C.
	MTLM GREASE	ZX38 DEF STAN 80/81 NATO S-722	-50 TO +450°C	General purpose Anti Seize. Provides tough wear resistant film, ideal for assembly, start up and running in of gears, bearings, pins and slides. Not suitable for titanium or titanium alloys.
	PRECISION SILICONE SPRAY	-	-50 TO +200°C	Multi purpose silicone spray for light lubrication. Non-toxic silicone spray for use as an anti-stick film or light lubrication of links, pins, chutes, slides etc. operating in clean environments.
	SAPPHIRE® PRECISION LUBE	RR OMAT 10-108A	-55 TO +250°C	High performance maintenance lubricant with PTFE. Designed to provide excellent lubrication, penetration and protection in the widest range of applications. It is clean, nontoxic, highly penetrating and free from chlorinated solvents.
LOW TEMPERATURE	AEROSPEC®200	XG-287 DEF STAN 91-53/3 NATO G354	-75 TO +120°C	Multi-purpose aerospace grease for lubrication of gearboxes, AF bearings, plain bearings sliding mechanisms and bushes. Satisfactory performance in the presence of water.
	AEROSPEC®250	XG-276 DEF STAN 91-57/2 NATO G353	-75 TO +120°C	Low temperature aerospace molybdenum disulphide based grease. Recommended for use on heavily loaded sliding mechanisms, anti friction bearings and splined shafts.
	AEROSPEC®533	XG-315	-73 TO +150°C	Silicone based low temperature grease widely used on pneumatic and sliding systems for ships and aircraft. Compatible with most plastics and rubbers (excluding silicone rubbers).
	MX33	DTD 900/4630 A	-73 TO +150°C	Silicone based grease with molybdenum disulphide for highly loaded low temperature applications.
HARSH ENVIRONMENT	AEROSPEC®300	XG-291 XG-271 DEF STAN 91-105/2 NATO G421 DEF STAN 91-12/1 NATO G382	-40 TO +140°C	Long life general purpose bearing grease for aviation and shipping. Applications include gearboxes, anti friction and plain bearings. Excellent performance in the presence of water.
	BG-211	XG-286 DEF STAN 91-34/2 NATO G460	-30 TO +110°C	Sea water resistant general purpose grease for naval gun mountings, weapons systems, bulkhead glands, ball and roller bearings in rudder bearings. Suitable for use with copper containing alloys.



ANTI-SEIZE & ASSEMBLY

ROCOL® formulate and supply a unique range of assembly and anti seize products that find uses in a variety of high performance aviation and military equipment. Several anti-seize compounds have been developed specifically for use with Nimonic and Aircraft grade stainless steels, plus a full range of high temperature products based on copper, nickel and graphite.

- FAN BLADE ASSEMBLY & "SNUBBER" LUBRICANTS
- FASTENERS, THREADS & PINS
- CAM LOCK & LATCH MECHANISMS
- CORROSIVE OR EXTREME TEMPERATURE ENVIRONMENTS

APPLICATION	ROCOL PRODUCT	SOLIDS TYPE	SPECIFICATION	TEMP RANGE	APPLICATIONS
	ANTI SEIZE COMPOUND	COPPER GRAPHITE	-	UP TO +1100°C	Copper based anti seize paste for all static fasteners and mechanisms. Anti seize compound is an assembly and anti seize lubricant that prevents pick up and seizure even in wet, dirty and corrosive conditions.
ANTI SEIZE / DISMANTLING	ANTI SEIZE SPRAY	COPPER GRAPHITE	-	UP TO +1100°C	Copper based anti seize spray for all static fasteners and mechanisms. Anti seize spray is an assembly and anti seize lubricant that prevents pick up and seizure even in wet, dirty and corrosive conditions.
	ANTI SEIZE 797	NICKEL GRAPHITE	MSSR 9380	UP TO +1100°C	Nickel and graphite based anti seize paste suitable for use with nimonic and stainless steel. Specifically formulated for the Aerospace and Power Generation industries to provide protection for fasteners at high operating temperatures over extended periods.
	ANTI SEIZE STAINLESS	GRAPHITE INORGANIC	MSSR 4308	UP TO +1000°C	Anti Seize for nimonic, stainless steel and silver coated fasteners. Suitable for use in Aerospace and Power Generation industries.
	MTLM	MoS ₂	NATO S-722 ZX38 DEF STAN 80-81		General purpose anti seize. Provides tough wear resistant film, ideal for assembly, start up and running in of gears, bearings pins and slides. Not suitable for titanium or titanium alloys.
	PENETRATING SPRAY	MoS ₂	-		Penetrating spray with molybdenum disulphide. Quick, effective release of corroded threaded fasteners.
ASSEMBLY & DRY FILM	DRY MOLY PASTE	MoS ₂	RR OMAT 4/53	UP TO +450°C	Dry film coating of molybdenum disulphide in paste form to lubricate sliding mechanisms, plain bearings pins and cams.
	DRY MOLY FLUID	MoS ₂	-	UP TO +450°C	Resin bonded dry film coating with molybdenum disulphide, suitable for lubrication of sliding mechanisms, plain bearings, pins and cams.
	DRY MOLY SPRAY	MoS ₂	RR OMAT 4/52	UP TO +450°C	Resin bonded dry film of molybdenum disulphide in an aerosol spray. Ideal for lubrication of sliding mechanisms, pins, plain bearings and cams.
	OXYLUBE	MoS ₂	RR OMAT 4/54	UP TO +450°C	Resin bonded dry film of molybdenum disulphide for use in aggressive environments. Lubrication of sliding mechanisms, pins plain bearings and cams especially in oxygen and vacuum environments.
	AS POWDER	MoS ₂	DEF STAN 68-62 NATO ZX35 S-740	-200 TO +450°C	Boundary Lubricant.
	DRY PTFE SPRAY	PTFE	RR OMAT 4/67	-200 TO +270°C	Multipurpose dry PTFE spray lubricant for light lubrication and use as a dry anti stick film. Applications include pins, chutes and slides operating in clean environments.



CORROSION PROTECTION & WD

ROCOL® formulate and supply a wide range of high performance products including “de-watering” or water dispersant sprays, semi permanent corrosion protectives and weapons lubricants or “gun oils”. These products have been formulated to meet a range of environmental challenges in the most extreme cases providing protection in marine environments for several years. ROCOL also developed AEROSPEC® Protect as a spray corrosion maintenance coating specifically for use in the extreme environments of aircraft undercarriage components.

- STORAGE OF JIGS / TOOLING
- PROTECTION OF WEAPONS
- AIRCRAFT & MARINE MAINTENANCE



CONDITIONS	ROCOL PRODUCT	SPECIFICATION	TEMP RANGE	APPLICATIONS
CORROSION PROTECTION WAXY/DRY FILM	AEROSPEC® PROTECT	AIRBUS APPROVED	-50 TO +120°C	Heavy duty “dry” waxy film for long term corrosion protection, fortified with PTFE. Chemically resistant, non melting formulation approved for use in the commercial aircraft industry.
	PX28	PX28 DEF STAN 80-143/1	-35 TO +120°C	Preservation of interior surfaces of hollow sections and underbodies of vehicles and artillery components.
	PX32	PX32 DEF STAN 80-83	-40 to +110°C	Preservation of exterior surfaces and exposed metal parts.
	Z30	-	-20 TO +110°C	Waxy film for long term corrosion protection. Ideal for long term protection of machinery, elevators forklift trucks and underground installations and offshore platforms.
	HEAVY DUTY RUSTSHIELD	-	-20 TO +110°C	Thin dry film corrosion protective. Thin flexible film will not crack or chip.
CORROSION PROTECTION OILY FILM	WEAPONGUARD 24	OX24 DEF STAN 91-102/2 NATO O157	-54 TO +50°C	Lubricating and corrosion preventative oil for small arms, weapons to 30mm calibre and mortars to 81mm.
	WEAPONGUARD 36	PX36 DEF STAN 91-103/2	-54 TO +50°C	Lubricating oil and corrosion preventative for large calibre weapons (30mm plus), also used for cleaning the surface of barrels and breach mechanisms.
WATER DISPLACING	WD SPRAY	-	-	Water displacing corrosion preventative and lubricant spray. Suitable for protection and drying out of engine ignition systems, coils, distributors, HT leads etc.



OXYGEN COMPATIBLE / EXTENDED LIFE

ROCOL® provide a range of specialist PFPE greases and lubricants specifically for use with breathable air systems and having approval by the UK MOD for use onboard submarine. PFPE based lubricants are not subject to oxidation and provide excellent high temperature stability. Several products have now also been developed that exploit these unique characteristics in Aerospace “Fit and Forget” lubrication and “Sealed for Life” applications.

- SUBMARINE & BREATHABLE AIR SYSTEMS
- AIRCRAFT ENVIRONMENTAL CONTROL SYSTEMS
- FIT & FORGET™ AIRCRAFT LUBRICATION

CONDITIONS	ROCOL PRODUCT	SPECIFICATION	TEMP RANGE	APPLICATIONS
HIGH PRESSURE OXYGEN SERVICE	OT20	DTD 900/6080	-70 TO +100°C	PFPE grease recommended for use in oxygen systems and specified by the Ministry of Defence for all diving and breathing air systems. Can be considered as a “fit and forget” lubricant, compatible with most plastics and non-metallic seals.
	RT15	DTD 900/6031	-20 TO +200°C	PFPE grease highly resistant to a wide range of chemicals and recommended for use in any oxygen rich environments including diving and breathing air systems. PFPE grease can be considered as a “fit and forget” lubricant. Compatible with most plastics.
	UT18	–	-30 TO +150°C	PFPE grease suitable for a wide range of applications. UT18 can lengthen relubrication periods dramatically due to its ability to resist degradation in hostile conditions. It is used in antifriction and plain bearings, or any sliding surfaces.
	YNX	–	-40 TO +220°C	PFPE grease highly resistant to a wide range of chemicals. YNX is suitable for applications in very aggressive bromine and chlorine environments. Highly resistant to oxidation and compatible with most plastics and non-metallic seals.
	AEROSPEC® 620	–	-40 TO +100°C	PFPE grease suitable for wide range of applications. Resistance to oxidation makes product suitable for use in hostile environments and provides extended life under normal conditions. Applications in plain bearings, and for sliding surfaces.

OPEN GEAR

ROCOL open gear greases have been developed specifically for the heavily loaded mechanisms normally associated with the marine industry. Open Gear lubricants also provide excellent corrosion protection in harsh marine environments where “water wash-out” is often a serious challenge.

- LOCK GATES
- CABLE WINCH MECHANISMS
- SEA BUOYS
- MARINE BRIDGES

CONDITIONS	ROCOL PRODUCT	TEMP RANGE	APPLICATIONS
NORMAL	TUFGEAR UNIVERSAL	-40 TO +120°C	Heavy-duty open gear lubricant for demanding applications. Developed to deal with the loads found in the largest gears and to withstand the aggressive environments within which they operate, including gears that are exposed to strong underwater currents.
	TUFGEAR SPRAY	-10 TO +100°C	High performance long life Open Gear lubricant in aerosol form. High viscosity, non melting lubricant containing high load solids to increase anti-pitting and load carrying characteristics. Provides excellent corrosion resistance in all environments.
SUBMERGED OR WET	TUFSHIELD	-10 TO +120°C	Heavy duty “high cling” corrosion preventative grease specifically developed for the most arduous marine applications and areas subjected to flooding or repeated forceful wash downs. Applications include swing bridges, lock gates and sea buoys.



WEAPON LUBRICANTS

ROCOL® weapons lubricants have been developed to provide optimised performance of both small and large calibre weapons. These products have also found uses in manufacturing providing protection for machined metal components susceptible to corrosion.

- SPECIALIST WEAPON LUBRICANT
- MANUFACTURING & COMPONENT PROTECTION



CONDITIONS	ROCOL PRODUCT	SPECIFICATION	TEMP RANGE	APPLICATIONS
SMALL CALIBRE	WEAPONGUARD 24	OX-24 DEF STAN 91-102/2 NATO 0157	-54 TO +50°C	Lubricating and corrosion preventative oil for small arms, weapons to 30mm calibre and mortars to 81mm.
LARGE CALIBRE	WEAPONGUARD 36	PX36 DEF STAN 91-103/2	-40 TO +50°C	Lubricating oil and corrosion preventative for large calibre weapons (30mm plus), also used for cleaning the surface of barrels and breach mechanisms.
	BG-211	XG286 DEF STAN 91-34/2 NATO G460	-30 TO +110°C	Sea water resistant general purpose grease for naval gun mountings, weapons systems, bulkhead glands, ball and roller bearings in rudder bearings. Suitable for use with copper containing alloys.

CHAIN & DRIVE

ROCOL have developed lubricants for a wide variety of chain drive systems where high temperature and high load conditions are a particular issue. ROCOL Chain & Drive Lubricants have been formulated to provide improved penetration of the link system and can deliver a variety of EP additives to help extend chain life and reduce drag (improve chain efficiency).

- DRIVE CHAINS

CONDITIONS	ROCOL PRODUCT	TEMP RANGE	APPLICATIONS
NORMAL	CHAIN & DRIVE FLUID	-15 TO +120°C	High performance EP chain and conveyor lubricant. Penetrates, lubricates and protects chains from corrosion.
	CHAIN & DRIVE SPRAY	-30 TO +150°C	High performance EP chain and conveyor lubricant in an aerosol. Designed to effectively displace water, penetrate, lubricate and protect against corrosion -30 TO +150°C particularly in wet and aggressive conditions.
HIGH LOAD	CHAIN GUARD HI LOAD SPRAY	-30 TO +180°C	High performance water displacing EP chain and conveyor lubricant with molybdenum disulphide.
DIRTY/DUSTY	DRY MOLY FLUID & SPRAY	-50 TO +450°C	Resin bonded dry film coating with molybdenum disulphide, suitable for lubrication of sliding mechanisms, plain bearings, pins and cams.



WIRE ROPE LUBRICANTS

ROCOL® wire rope lubricants have been formulated to provide improved penetration and de-watering of the cables for extended life. ROCOL have formulated products to meet the extreme environment of the marine industry and have also led the way in the development of Bio-degradable lubricants for use in cable winches (especially in dock side areas).

WINCH CABLES

EXPOSED MARINE
CONTROL CABLES

CONDITIONS	ROCOL PRODUCT	TEMP RANGE	APPLICATIONS
HAND APPLIED	WIRESHIELD™	-30 TO +100°C	Ropes operating in arduous environmental conditions on equipment such as hoists, drag lines, cranes and ships.
	WIRE ROPE DRESSING	-30 TO +100°C	Semi-fluid lubricant that will not emulsify in water and is completely water repellent. Product is non-tacky and will help prevent the build-up of dust and contamination on wire ropes. Recommended for use on hoist cables and drag lines operated under arduous conditions.
	BIOGEN ROPEGUARD	-30 TO +100°C	Bio-degradable, water repellent wire rope lubricant. Semi-fluid grease with excellent penetration, lubrication and corrosion protection on all types of wire rope.
SPRAY GUN APPLIED	WIRESHIELD™ FLUID	-30 TO +100°C	Ropes operating in arduous environmental conditions on equipment such as hoists, drag lines, cranes and ships.
	WIRE ROPE FLUID	-30 TO +180°C	High performance, rapid penetration, de-watering wire rope lubricant that can be applied even in wet conditions. Recommended for use on hoist cables, drag lines and other arduous marine environments.
AEROSOL APPLIED	WIRE ROPE SPRAY	-30 TO +100°C	High performance de-watering wire rope lubricant spray. Recommended for use on hoist cables, drag lines and other arduous marine environments.

SILICONE BASED LUBRICANTS

ROCOL manufacture a range of silicone based lubricants to meet a variety specialised requirements. Silicone lubricants are characterised by their reduced toxicity and are compatible with a wide range of plastics and rubbers (not compatible with silicone rubber). Silicone lubricants can also be used over a wide range of temperatures.

LIGHT FILM LUBRICANTS

NON TOXIC LUBRICATING FILM

THERMOPLASTIC &
ELASTOMER COMPONENTS

MARINE BRIDGES

CONDITIONS	ROCOL PRODUCT	SPECIFICATION	TEMP RANGE	APPLICATIONS
GENERAL PURPOSE	PRECISION SILICONE SPRAY	–	-50 TO +200°C	Multi purpose silicone spray for light lubrication. Non-toxic silicone spray for use as an anti-stick film or light lubrication of links, pins, chutes, slides etc. operating in clean environments.
	AEROSPEC® 533	XG 315 DEF STAN 91-56/3 NATO G394	-73 TO +150°C	Silicone based low temperature grease widely used on pneumatic and sliding systems for ships and aircraft. Compatible with most plastics and rubbers (excluding silicone rubbers).
HIGH LOAD	MX33	DTD 900/4630A	-73 TO +150°C	Silicone based grease with MoS ₂ for highly loaded low temperature applications.



CLEANERS

ROCOL® manufacture a variety of cleaning products and solutions ranging from foam based water soluble cleaners to pre-saturated cloth wipes for personal hygiene.

HEAVY & LIGHT DEGREASING

PERSONAL HYGIENE

CONDITIONS	ROCOL PRODUCT	APPLICATIONS
WATER WASHABLE	FOAM CLEANER SPRAY	Highly versatile, fast acting foaming cleaner. Non-toxic blend of cleaning agents for effective removal of dirt, grease and grime from a wide variety of non-porous surfaces.
	HEAVY DUTY CLEANER (FLUID/SPRAY)	Heavy duty, water washable, multi-purpose degreaser. A specially formulated blend of degreasing solvents designed to remove grease, oil and general workshop grime rapidly from a wide range of surfaces. It emulsifies grease and grime then the residue can easily be removed.
ZERO RESIDUE	INDUSTRIAL CLEANER RAPID DRY SPRAY	Multi-purpose, fast drying, degreaser that leaves no residue. A specially formulated blend of degreasing solvents designed to remove grease, oil and general workshop grime rapidly from a wide range of surfaces.
CLOTH WIPES	SCRUBS®	Unique waterless hand-cleaning system. SCRUBS combines a high quality liquid hand cleaner and a heavy duty, non-scratching, abrasive hand-cleaning towel.



PART CODE	PRODUCT	UNIT SIZE	PART CODE	PRODUCT	UNIT SIZE
AEROSPEC®			CORROSION PROTECTION & WD		
16511	AEROSPEC® 100	500g	16810	AEROSPEC® PROTECT	300ml
16516	AEROSPEC® 100	4.5kg	16606	PX28	20L
16517	AEROSPEC® 100	45kg	16607	PX32	20L
16501	AEROSPEC® 200	75g	37020	Z30	300ml
16506	AEROSPEC® 200	4.5kg	37022	Z30	5L
16507	AEROSPEC® 200	12.5kg	37028	Z30	20L
16331	AEROSPEC® 300 (XG-271)	75g	69100	HEAVY DUTY RUSTSHIELD	300ml
16336	AEROSPEC®300 (XG-271)	3kg	16611	WEAPONGUARD 24	1L
16324	AEROSPEC® 300 (XG - 291)	450g	16601	WEAPONGUARD 36	500ml
16326	AEROSPEC® 300 (XG - 291)	3kg	16604	WEAPONGUARD 36	20L
16531	AEROSPEC® 210	75g	34271	WD SPRAY	300ml
16630	AEROSPEC® 400	380g	OXYGEN COMPATIBLE / EXTENDED LIFE		
16637	AEROSPEC® 400	450g	39021	OT20	100g
16638	AEROSPEC® 400	3kg	39023	OT20	400g
16634	AEROSPEC® 400	18kg	39041	RT15	100g
16651	AEROSPEC® 3052	380g	39043	RT15	400g
16658	AEROSPEC® 3052	3kg	39031	UT18	100g
16654	AEROSPEC® 3052	18kg	39081	YNX	100g
16521	AEROSPEC® 250	75g	OPEN GEAR		
16526	AEROSPEC® 250	3kg	18302	TUFGEAR UNIVERSAL	400g
16621	AEROSPEC® 350	75g	18305	TUFGEAR UNIVERSAL	5kg
16626	AEROSPEC® 350	3kg	18304	TUFGEAR UNIVERSAL	18kg
GENERAL LUBRUCATION / AIRFRAME			18105	TUFGEAR SPRAY	400ml
16303	S-BG-305	500g	37103	TUFSHIELD	450g
16143	MTS 1000	500g	37104	TUFSHIELD	18kg
12330	SAPPHIRE® ENDURE	100g	WEAPONS LUBRICANT		
12331	SAPPHIRE® ENDURE	700g	16611	WEAPONGUARD 24	1L
12334	SAPPHIRE® ENDURE	1kg	16617	WEAPONGUARD 24	20L
12336	SAPPHIRE® ENDURE	5kg	16601	WEAPONGUARD 36	500ml
12337	SAPPHIRE® ENDURE	18kg	16604	WEAPONGUARD 36	20L
16166	MHT GREASE	5kg	CHAIN & DRIVE		
16010	MTLM GREASE	100g	22306	CHAIN & DRIVE FLUID	5L
16013	MTLM GREASE	500g	22309	CHAIN & DRIVE FLUID	20L
34035	PRECISION SILICONE SPRAY	400ml	22001	CHAIN & DRIVE SPRAY	300ml
34341	SAPPHIRE® PRECISION LUBE	400ml	22141	CHAIN GUARD HI LOAD SPRAY	300ml
16070	MX33	50kg	10025	DRY MOLY FLUID & SPRAY	400ml
ANTI-SEIZE & ASSEMBLY			10205	DRY MOLY FLUID & SPRAY	5L
14030	ANTI-SEIZE COMPOUND	85g	WIRE ROPE LUBRICANTS		
14033	ANTI-SEIZE COMPOUND	500g	20054	WIRESHIELD®	18kg
14035	ANTI-SEIZE COMPOUND	6Kg	20058	WIRESHIELD®	160kg
14038	ANTI-SEIZE COMPOUND	18Kg	20026	WIRE ROPE DRESSING	4kg
14015	ANTI-SEIZE SPRAY	400ml	20024	WIRE ROPE DRESSING	18kg
16403	ANTI-SEIZE 797	500g	19044	BIOGEN ROPEGUARD	18kg
14143	ANTI-SEIZE STAINLESS	500g	20078	WIRESHIELD® FLUID	20L
16010	MTLM GREASE (DEF STAN 80-81)	100g	20079	WIRESHIELD® FLUID	200L
16013	MTLM GREASE (DEF STAN 80-81)	500g	20046	WIRE ROPE FLUID	5L
14021	PENETRATING SPRAY	300ml	20045	WIRE ROPE FLUID	20L
10040	DRY MOLY PASTE	750g	20015	WIRE ROPE SPRAY	400ml
10046	DRY MOLY PASTE	100g	SILICONE BASED SPRAY		
10047	DRY MOLY PASTE	18kg	34035	PRECISION SILICONE SPRAY	400ml
10205	DRY MOLY FLUID	5L	16644	AEROSPEC® 533	1kg
10025	DRY MOLY SPRAY	400ml	16070	MX33	50g
10125	OXYLUBE	400ml	CLEANERS		
06023	AS POWDER	500g	34141	FOAM CLEANER SPRAY	400ml
34235	DRY PTFE SPRAY	400ml	34011	HEAVY DUTY CLEANER (FLUID/SPRAY)	300ml
			34014	HEAVY DUTY CLEANER (FLUID/SPRAY)	5L
			34131	INDUSTRIAL CLEANER RAPID DRY SPRAY	300ml
			34100	SCRUBS®	Tub 72

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ROCOL A division of **ITW** Ltd



ROCOL®

Wire Rope Lubricants

Performance you can trust



Make light work of heavy lifting

A HISTORY OF EXCELLENCE

ROCOL® has been providing engineers with high performance lubrication solutions for more than 100 years.

During that time we have worked with some of the world's leading companies in many diverse industries and applications, developing products with one common goal: to deliver optimum performance.

ROCOL operates to internationally recognised standards for quality, environment and safety. Rocol is proud of its commitment to the continual engagement and development of staff and holds *Investors In People* accreditation.

QUALITY



ENVIRONMENT



SAFETY



PEOPLE



BENEFITS OF WIRE ROPE LUBRICATION

Although simple in appearance, the intricate construction and multitude of demands placed on wire ropes means that, like any machine, they must be lubricated and protected to achieve optimum performance and service life.



Reducing the internal friction generated during load application/removal and the bending of the rope over sheaves and drums is vital.

It is generally accepted that the bend fatigue life of a lubricated wire rope can be up to 60% longer than that of a non-lubricated rope.



Protecting the rope from the often severely corrosive conditions encountered in marine and other environments is another key consideration. Although ropes may appear in good condition, corrosion of the core may go unnoticed, creating a potentially dangerous situation.

The potential savings in both time and money in addition to improved operational safety mean that correct in-service lubrication is a key part of wire rope use.



KEY REQUIREMENTS OF WIRE ROPE LUBRICANTS

Whilst it may be clear that good lubrication is a key part of maximising rope life, delivering the correct balance of properties in a single product is a significant challenge. A good wire rope lubricant must:



- ▶ Be easy, pleasant and safe to apply
- ▶ Achieve maximum penetration to ensure lubrication and protection of the rope core
- ▶ Resist wash-off and fling-off
- ▶ Have excellent corrosion protection
- ▶ Reduce friction and wear
- ▶ Allow easy inspection of the rope

ROCOL® WIRE ROPE LUBRICANTS

ROCOL have manufactured wire rope lubricants for many years. This has allowed us to accumulate the knowledge required to provide wire rope users, in a wide range of industries, with products that significantly improve the performance and durability of wire rope.

Our premium products, available in spray, fluid and compound versions reduce wear and corrosion, significantly extend service life and reduce costs.





PSEUDOPLASTIC WIRE ROPE DRESSING

One of the most difficult problems encountered in formulating wire rope lubricants is finding the optimum balance between good penetration properties and resistance to water wash-off.

- ▶ Good penetration is achieved by low viscosity products such as oils but these have poor resistance to wash-off
- ▶ Good wash-off resistance is achieved by highly adhesive grease-like products but these have poor penetration properties

Until now there has been a trade off between these competing requirements. However, thanks to its pseudoplastic rheology, WIRESHIELD achieves maximum penetration without compromising wash-off resistance.

WHAT IS PSEUDOPLASTIC RHEOLOGY?

Initially WIRESHIELD has the appearance of a grease.

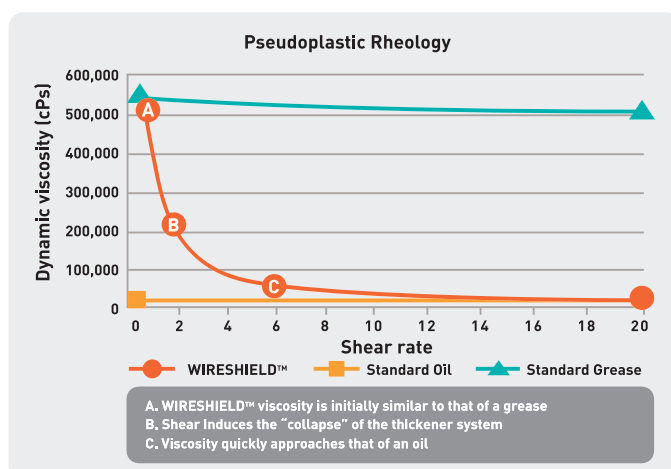
Under the slightest shear or agitation the grease structure collapses and almost instantly becomes fluid.

- ▶ This allows maximum penetration into the rope

When the shear or agitation stops, the grease structure reforms almost instantly.

- ▶ This maximises wash-off resistance

The graph below illustrates the relative viscosities of oils, grease and WIRESHIELD:

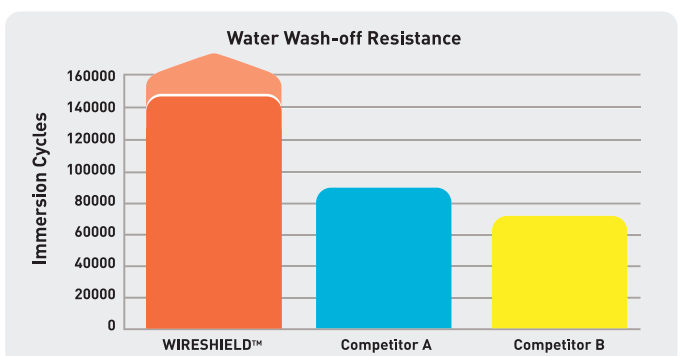


EXTENDED RE-LUBRICATION

Wire ropes often operate in extreme environments, as a result, resistance to water wash-off is a key property of a wire rope dressing.

During the extensive laboratory testing of WIRESHIELD a test was developed to measure wash-off resistance.

Steel test panels, coated with various lubricants, were repeatedly immersed in synthetic sea water until the protective film failed and corrosion was observed. The graph below shows the results:



After 144,000 immersion cycles WIRESHIELD showed no sign of failure and was still protecting the steel from corrosion. Other wire rope lubricants were significantly less resistant.



THE DIFFERENCE IS CLEAR

The key safety check for wire rope users is a visual inspection of the condition of the rope.

Traditional wire rope lubricants contain black solid lubricants such as graphite and molybdenum disulphide.

These materials make the lubricant unpleasant to handle and impossible to see through.

WIRESHIELD™ uses an advanced load carrying system based on sub-micron white solids. The result is a finished product that is both clean to handle and translucent in use - without compromising the load carrying or anti-wear properties.

Below is an illustration of the translucency of the applied WIRESHIELD film compared to a traditional lubricant.



Traditional rope lubricant

WIRESHIELD

FEATURES AND BENEFITS

- ▶ Temperature range -30°C to +100°C
- ▶ Excellent lubrication properties reduce wear on wires and strands, maximising life
- ▶ Outstanding corrosion protection
- ▶ Highly resistant to water wash-off
- ▶ Thin, non-tacky film prevents build up of dust and dirt
- ▶ Clean and pleasant to use
- ▶ Translucent film allows easier and more effective rope inspection
- ▶ Does not drip or fling-off due to the pseudoplastic rheology

WIRESHIELD™ Fluid

WIRESHIELD Fluid is a solvent containing, liquid version of WIRESHIELD designed for application by pressure spray equipment. Once applied, the solvent evaporates leaving behind the WIRESHIELD film which is equivalent to standard WIRESHIELD.



Part Code

20054
20058

Size

18kg
160kg

WIRESHIELD Fluid

Part Code

20078
20079

Size

20L
200L

COMPREHENSIVE RANGE

ROCOL manufacture a comprehensive range of wire rope lubricants.

ROCOL products have been proven over many years of service to:

- ▶ Reduce wear on wires and strands, maximising service life
- ▶ Provide outstanding corrosion protection
- ▶ Resist water wash-off, extending re-lubrication intervals



WIRE ROPE Dressing

Multi-purpose rope lubricant

Semi-fluid grease based on highly refined mineral oil and an organically modified clay thickener. The unique blend of lubricating solids contained in the product reduces the internal friction and wear often encountered in multi-strand wire ropes. It is highly resistant to water wash-off and provides excellent corrosion protection, making it suitable for use even in salt water environments.

WIRE ROPE Dressing	Part Code	Size
	20026	4kg
	20024	18kg

WIRE ROPE Spray

Convenient aerosol pack

Convenient aerosol version of WIRE ROPE Dressing. The solvents and propellants provide enhanced de-watering and penetration properties making the product suitable for use on wet ropes. The convenience of the aerosol dispenser makes this product ideal for use on equipment such as mobile cranes and for spot application to high wear sections of rope. Once the solvent evaporates, performance is identical to WIRE ROPE Dressing.

WIRE ROPE Spray	Part Code	Size
	20015	400ml

WIRE ROPE Fluid

Ideal for spray application

Fluid version of WIRE ROPE Dressing. Specially selected petroleum solvents added to the formulation provide both enhanced de-watering and penetration properties making the product particularly suitable for use on wet ropes. The fluid nature also makes the product suitable for spray application. Once the solvent evaporates performance is identical to Wire Rope Dressing.

WIRE ROPE Fluid	Part Code	Size
	20046	5L
	20045	20L

BIOGEN Rope Guard

For environmentally sensitive applications

Mineral oil free lubricant manufactured from biodegradable and renewable raw materials. Should accidental release to the environment occur it is designed to be broken down into harmless substances by the action of micro-organisms.

BIOGEN Rope Guard	Part Code	Size
	19044	18kg

WIRE ROPE LUBRICATION

Methods of rope lubrication range from traditional, unsophisticated techniques such as brushes and swabs to dedicated, high performance equipment.

ROCOL wire rope lubricants are designed to be as easy to apply as possible by whichever method is most convenient. While there is no single method that is "right" and works in all situations, the modern trend is to move away from manual application, to automated systems which:

- ▶ Maximise efficiency of lubricant delivery on to the rope
- ▶ Improve health and safety by reducing operator contact with the rope and lubricant

To make the selection of the correct system as easy as possible Rocol recommend the new CoreLube BOS-2100-R1 system. This applicator system has been specifically optimised to deliver WIRESHIELD by CoreLube Equipment, the leading manufacturer of rope lubrication equipment.



CORELUBE BOS-2100-R1 SYSTEM

Optimised WIRESHIELD delivery system

The BOS-2100-R1 system has been designed to deliver WIRESHIELD in the most effective way possible. The patent pending unit operates as follows:



- ▶ WIRESHIELD is pumped into the housing where brushes work it into the wires and strands
- ▶ The revolutionary spiral brush design prevents the build-up of excess lubricant on the surface of the rope

Features and benefits

- ▶ Low cost and very easy to use
- ▶ One brush size covers a large range of rope sizes, eliminating the need for a rubber seal for every size of wire rope
- ▶ Can be permanently installed for continuous operations
- ▶ Wire rope deformities and cable markers can be run through the unit
- ▶ Wire ropes can run through the unit at any angle at a wide range of speeds
- ▶ The same pump fits all sizes of containers from a drum to a pail



CASE HISTORIES

CLIENT: P&O FERRIES

Product: WIRESHIELD™

Location: Dover, UK

Application Details:

The Pride of Kent crosses the channel to Calais up to 10 times a day. The vessel is moored using steel wire ropes which can be immersed in sea water up to 20 times a day and are exposed to extreme coastal weather conditions.

In order to lubricate the wire ropes, fish oil was applied to them on a regular basis. Although easy to apply and offering reasonable penetration to the rope core the fish oil produced unsatisfactory results, including poor wash-off resistance, leading to increased lubrication intervals. The operators also had problems when applying the oil as it dripped and splashed onto them, causing health and safety issues, as well as the unpleasant smell associated with fish.

Required Specification:

- ▶ Lubricant with high wash-off resistance
- ▶ Easy to apply lubricant with no unpleasant odour
- ▶ High load carrying capabilities
- ▶ Provides corrosion protection to the core of the rope and its outer strands

Results:

It was agreed that a trial would be carried out on one wire rope to compare the performance of WIRESHIELD to fish oil. The product proved so popular with operators - due to the ease of application and improved cleanliness - that within one week the trial had been extended to all eight steel wire ropes on the vessel. After only two months in service no further application of lubricant has been required and the ropes are still in excellent condition.



Customer Feedback:

"WIRESHIELD is easy to apply and much more pleasant to use than the fish oil we used previously. The improved wash-off resistance means that the ropes stay protected and we can extend the re-lubrication intervals, which saves a great deal of time and frees us up to do other things."

Paul Head – Boatswain, Pride of Kent

CLIENT: MARMAGOA PORT TRUST

Product: WIRE ROPE Dressing

Location: Goa, India

Application Details:

The wire ropes on the bulk iron ore unloaders suffered from a high degree of wear due to a combination of the large amount of abrasive iron ore dust in the atmosphere and the heavy duty nature of the unloading operation.

As a result the ropes were replaced every three to four weeks costing both time and money.

Required Specification:

- ▶ Good penetration properties to ensure that the rope core received effective lubrication
- ▶ Increase the operational life of the ropes

Results:

After adopting the use of WIRE ROPE Dressing as a standard maintenance procedure, the operational life of the wire ropes increased from an average of 25 days to 40 days. Expressed in terms of productivity this meant that each rope unloaded 190,000 tonnes of iron ore compared to the previous 120,000 tonnes.

The additional benefit of reduced down time further increased the efficiency and productivity of the unloading operation resulting in substantial overall savings.



CLIENT: BAE SYSTEMS – SHIPLIFT ROPES

Product: WIRE ROPE Dressing

Location: Barrow-in-Furness, UK

Application Details:

The 28,000 tonne capacity Syncrolift® ship lift plays a critical role in launching the multi-billion pound submarines and surface vessels manufactured by BAE. The 108 individual wire ropes of the Syncrolift® are regularly immersed in sea water during regular operational tests and vessel launches. Failure is not an option.

Required Specification:

- ▶ Maximum reliability and durability of the ropes

Results:

WIRE ROPE Dressing has been exclusively used on the wire ropes since the construction and commissioning of the Syncrolift® with *faultless* performance. The lubricant film is highly water resistant and long lasting, resulting in re-lubrication frequencies of 6 months despite the aggressive operating conditions.



CLIENT: LAING O'ROURKE



Product: WIRE ROPE Dressing

Location: Dubai, UAE

Application Details:

Wire ropes are in use on TADANO, DEMAG and crawler cranes. Due to the atmospheric conditions the cranes operate in and the viscous nature of the previous lubricant, the ropes accumulated dust and suffered from poor lubrication of the rope core.

Required Specification:

- ▶ High penetration lubricant
- ▶ Lubricant that does not dry out
- ▶ Extends the life of the wire rope whilst also keeping it flexible
- ▶ Reduced affinity to dust

Result:








Laing O'Rourke found that by using ROCOL® WIRE ROPE Dressing, the life of the wire rope increased, which reduced initial consumption significantly. Due to this they also found that labour and maintenance costs were reduced, along with downtime and loss of production time.










Customer Feedback:

"The WIRE ROPE Dressing from ROCOL has been used on all of our mobile and crawler cranes with fantastic results."

Mr Heinz Zoechling, Technical Manager

ADDITIONAL PRODUCTS

	PRODUCT NAME	FEATURES & BENEFITS																			
<div>GEARS</div> <div></div>	<div>SAPPHIRE® Hi-Torque Range</div> <div></div>	<p>A range of high performance, thermally stable, semi-synthetic EP gear oils, incorporating SUPs to provide maximum protection in all types of gearboxes.</p> <ul style="list-style-type: none">▶ SUP's – A unique protection for gear teeth on start up and in use (start up protection)▶ Incorporates blue dye for high visibility▶ Long life reduces the need for frequent draining▶ Superior EP load carrying performance▶ Excellent corrosion protection▶ Very low foaming in operation▶ ISO VG 100, 220, 320, 460 & 680 grades available▶ Temperature range –20°C to +120°C▶ Available in 20L and 200L	<table><tr><th>Description</th><th>Part Code</th><th>Size</th></tr><tr><td>Hi-Torque 100</td><td>21005 21009</td><td>20L 200L</td></tr><tr><td>Hi-Torque 220</td><td>21015 21019</td><td>20L 200L</td></tr><tr><td>Hi-Torque 320</td><td>21025 21029</td><td>20L 200L</td></tr><tr><td>Hi-Torque 460</td><td>21035 21039</td><td>20L 200L</td></tr><tr><td>Hi-Torque 680</td><td>21045</td><td>20L</td></tr></table>	Description	Part Code	Size	Hi-Torque 100	21005 21009	20L 200L	Hi-Torque 220	21015 21019	20L 200L	Hi-Torque 320	21025 21029	20L 200L	Hi-Torque 460	21035 21039	20L 200L	Hi-Torque 680	21045	20L
	Description	Part Code	Size																		
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Hi-Torque 460	21035 21039	20L 200L																			
Hi-Torque 680	21045	20L																			
<div>TUFGEAR Universal</div> <div></div>	<p>Heavy duty open gear lubricants based on a clay thickened grease. Suitable for all types and sizes of open gears. TUFGEAR Universal can even be used in strong under water currents.</p> <ul style="list-style-type: none">▶ Capacity to withstand extremely high loads▶ Excellent water and corrosion resistance▶ Excellent adhesion to gear teeth – no fling▶ Suitable for all sizes of open gears▶ Temperature range –40°C to +120°C▶ Available in 400g, 5kg and 18kg	<table><tr><th>Part Code</th><th>Size</th></tr><tr><td>18302</td><td>400g</td></tr><tr><td>18305</td><td>5kg</td></tr><tr><td>18304</td><td>18kg</td></tr></table>	Part Code	Size	18302	400g	18305	5kg	18304	18kg											
Part Code	Size																				
18302	400g																				
18305	5kg																				
18304	18kg																				
<div>TUFLUBE Allweather</div> <div></div>	<p>Water resistant adhesive lubricant for a wide range of applications. Versatile, extremely adhesive, self-repairing lubricant. For slides, plain bearings, & open gears particularly in high load and/or wet conditions.</p> <ul style="list-style-type: none">▶ Temperature range –30°C to +70°C▶ Outstanding EP performance (800kg weld load)▶ Excellent water displacing properties – can be applied to wet surfaces▶ Good corrosion protection▶ Highly resistant to water wash-off▶ Tenacious, self-repairing film▶ Free from bitumen and solvents▶ Available in 400g, 5kg and 18kg	<table><tr><th>Part Code</th><th>Size</th></tr><tr><td>18271</td><td>400g</td></tr><tr><td>18276</td><td>5kg</td></tr><tr><td>18244</td><td>18kg</td></tr></table>	Part Code	Size	18271	400g	18276	5kg	18244	18kg											
Part Code	Size																				
18271	400g																				
18276	5kg																				
18244	18kg																				
<div>CHAINS</div> <div></div>	<div>CHAIN & DRIVE Spray</div> <div></div>	<p>Highly versatile and high performance chain lubricant suitable for all types of drive and conveyor chains in a convenient aerosol can.</p> <ul style="list-style-type: none">▶ Multi-purpose drive and conveyor chain lubricant▶ Market leading corrosion protection▶ Ideal for wet and humid conditions▶ Good water displacing properties▶ Highly water repellent▶ Excellent anti-wear performance▶ Temperature range –30°C to +150°C▶ Available in 300ml	<table><tr><th>Part Code</th><th>Size</th></tr><tr><td>22001</td><td>300ml</td></tr></table>	Part Code	Size	22001	300ml														
	Part Code	Size																			
22001	300ml																				
<div>CHAINGUARD Hi-Load Spray</div> <div></div>	<p>High performance, aerosol chain lubricant containing molybdenum disulphide for use in the most arduous conditions. Ideally suited for use on all types of chains under heavy loads.</p> <ul style="list-style-type: none">▶ Heavy duty, multi-purpose drive and conveyor lubricant▶ Ideal for fork lift truck chains▶ Fortified with MoS2 for exceptional load and wear resistance▶ Excellent corrosion protection▶ Ideal for wet and humid conditions▶ Good water displacing properties▶ Highly water repellent▶ Temperature range –30°C to +180°C▶ Available in 300ml	<table><tr><th>Part Code</th><th>Size</th></tr><tr><td>22141</td><td>300ml</td></tr></table>	Part Code	Size	22141	300ml															
Part Code	Size																				
22141	300ml																				

	PRODUCT NAME	FEATURES & BENEFITS												
<div>CORROSION PROTECTION</div> <div></div>	<div>Z30</div> <div></div>	<p>Waxy film for long term outdoor corrosion protection. Ideal for long term protection of machinery, elevators, forklift trucks, underground installations and offshore platforms.</p> <ul style="list-style-type: none">▶ Temperature range -20°C to +110°C▶ Heavy duty, waxy film for long term corrosion protection▶ Excellent corrosion protection outdoors for up to 2 years▶ Good de-watering properties▶ Good penetration▶ Can provide a light lubricating film in some applications▶ Ideal for outdoor corrosion protection of exposed metal parts▶ Does not contain silicones or chlorinated solvents▶ Available in 300ml, 5L and 20L <table><tr><th>Description</th><th>Part Code</th><th>Size</th></tr><tr><td>Z30 Fluid</td><td>37022</td><td>5L</td></tr><tr><td></td><td>37028</td><td>20L</td></tr><tr><td>Z30 Spray</td><td>37020</td><td>300ml</td></tr></table>	Description	Part Code	Size	Z30 Fluid	37022	5L		37028	20L	Z30 Spray	37020	300ml
	Description	Part Code	Size											
Z30 Fluid	37022	5L												
	37028	20L												
Z30 Spray	37020	300ml												
<div>BEARING GREASES</div> <div></div>	<div>SAPPHIRE® Aqua 2</div> <div></div>	<p>SAPPHIRE AQUA 2 is a revolutionary grease designed to give superior resistance to water wash-out. For use in all types of ball, roller and plain bearings.</p> <ul style="list-style-type: none">▶ Outstanding long term water resistance, even when submerged▶ Excellent corrosion protection▶ Extended lubrication intervals▶ Good load and wear performance▶ Temperature range of -20°C to +150°C▶ NLGI No. 2▶ Available in 380g, 4kg, 18kg, 50kg and 185kg <table><tr><th>Description</th><th>Part Code</th><th>Size</th></tr><tr><td rowspan="4">NLGI 2</td><td>12751</td><td>380g</td></tr><tr><td>12755</td><td>4kg</td></tr><tr><td>12754</td><td>18kg</td></tr><tr><td>12758</td><td>50kg</td></tr></table>	Description	Part Code	Size	NLGI 2	12751	380g	12755	4kg	12754	18kg	12758	50kg
	Description	Part Code	Size											
	NLGI 2	12751	380g											
		12755	4kg											
12754		18kg												
12758		50kg												
<div>SAPPHIRE® Hi-Load 2</div> <div></div>	<p>Revolutionary long life soap based bearing grease containing molybdenum disulphide. Particularly suited for slow moving bearings subjected to heavy loads, shock and vibration.</p> <ul style="list-style-type: none">▶ Triple life bearing grease▶ Extreme load and wear performance▶ Extended lubrication intervals▶ Revolutionary multi-complex grease▶ Good corrosion resistance▶ Temperature range -30°C to +150°C▶ NLGI No. 2▶ Available in 400g, 5kg and 18kg <table><tr><th>Description</th><th>Part Code</th><th>Size</th></tr><tr><td rowspan="3">NLGI 2</td><td>12761</td><td>400g</td></tr><tr><td>12765</td><td>5kg</td></tr><tr><td>12764</td><td>18kg</td></tr></table>	Description	Part Code	Size	NLGI 2	12761	400g	12765	5kg	12764	18kg			
Description	Part Code	Size												
NLGI 2	12761	400g												
	12765	5kg												
	12764	18kg												
<div>SAPPHIRE® Extreme 2</div> <div></div>	<p>High performance, long life bearing grease containing molybdenum disulphide for use in plain and roller bearings which are operating in arduous conditions.</p> <ul style="list-style-type: none">▶ Excellent resistance to vibration and shock loads▶ Very stable at high temperatures▶ Extreme load and wear performance▶ Extended lubrication intervals▶ Good corrosion resistance▶ Temperature range -25°C to +250°C▶ NLGI No. 2▶ Available in 400g, 5kg, 18kg and 50kg <table><tr><th>Description</th><th>Part Code</th><th>Size</th></tr><tr><td rowspan="4">NLGI 2</td><td>12211</td><td>400g</td></tr><tr><td>12216</td><td>5kg</td></tr><tr><td>12214</td><td>18kg</td></tr><tr><td>12218</td><td>50kg</td></tr></table>	Description	Part Code	Size	NLGI 2	12211	400g	12216	5kg	12214	18kg	12218	50kg	
Description	Part Code	Size												
NLGI 2	12211	400g												
	12216	5kg												
	12214	18kg												
	12218	50kg												
<div>ANTI-SEIZE & ASSEMBLY</div> <div></div>	<div>ANTI-SEIZE Compound</div> <div></div>	<p>Copper based anti-seize compound to prevent seizure and galling of all threaded and static fasteners.</p> <ul style="list-style-type: none">▶ Copper based - lead free formulation▶ Excellent resistance to water▶ Prevents seizure, galling and corrosion▶ Operates effectively up to +1100°C▶ Available in 85g, 500g, 6kg and 18kg <table><tr><th>Part Code</th><th>Size</th></tr><tr><td>14030</td><td>85g</td></tr><tr><td>14033</td><td>500g</td></tr><tr><td>14035</td><td>6kg</td></tr><tr><td>14038</td><td>18kg</td></tr></table>	Part Code	Size	14030	85g	14033	500g	14035	6kg	14038	18kg		
	Part Code	Size												
14030	85g													
14033	500g													
14035	6kg													
14038	18kg													
<div>ANTI-SEIZE Spray</div> <div></div>	<p>An aerosol applied version of the Anti Seize Paste. Copper based to prevent seizing, galling and corrosion in threaded and static fasteners.</p> <ul style="list-style-type: none">▶ Copper based anti seize – lead free formulation▶ Excellent water resistance▶ Use on all threaded and static fasteners.▶ Temperature range up to +1100°C▶ Available in 400ml <table><tr><th>Part Code</th><th>Size</th></tr><tr><td>14015</td><td>400ml</td></tr></table>	Part Code	Size	14015	400ml									
Part Code	Size													
14015	400ml													



ROCOL®

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BS EN ISO 9001
Certificate No. FM 12448



BS EN ISO 14001
Certificate No. EMS 67596



OHSAS 18001
Certificate No. OHS 78173

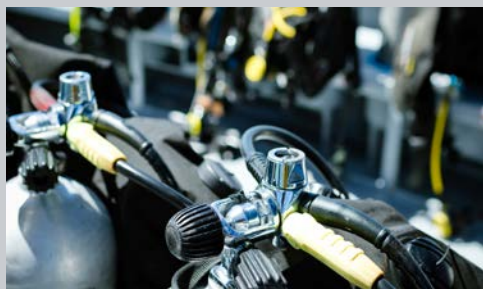


**INVESTORS
IN PEOPLE**

ROCOL®

ROCOL® PFPE GREASES

Performance you can trust



PFPE GREASES ARE DESIGNED TO OPERATE WHERE OTHER LUBRICANTS FAIL

PFPE greases are designed to prevent the following issues:

- Swelling and shrinking of rubbers and plastics
- Evaporative loss
- Stressing of metals
- Equipment failure at both high and low temperatures
- Embrittlement
- Strong odours
- Oxidation
- Contact wear
- Fires caused by lubricants

EXTREME RESISTANCE PFPE GREASES FOR USE IN HOSTILE ENVIRONMENTS

For Bearings, Small Gears, Slides, Pins, Valves, Plungers & Screws

- Oxygen Compatible & Non-Combustible
- Broad Temperature Service
- Exceptional compatibility with Rubbers, Plastics and Metals
- Highly Resistant to Acid, Solvent & Chemical Attack
- Vacuum Resistant

PRODUCT	PART CODE	NLGI NUMBER	BASE FLUID VISCOSITY IP 71 / @ 20°C	TEMPERATURE RANGE
OT20 (100g)	39021	2	35 cSt	-70°C to +100°C
UT18 (100g)	39031	2	500 cSt	-30°C to +150°C
RT15 (100g)	39041	2	1600 cSt	-20°C to +200°C
YVAC3 (100g)	39011	3	1400 cSt	-20°C to +200°C
YNX (100g)	39081	1/2	250 cSt	-40°C to +220°C
SAPPHIRE® ENDURE (100g)	12230	2	1600 cSt	-25°C to +280°C

ANTI-SEIZE & ASSEMBLY

ROCOL®

Performance you can trust



ROCOL ANTI-SEIZE products are specifically formulated to reduce downtime and the costs of assembly.

ANTI-SEIZE 797



High temperature anti-seize paste specially formulated for nimonic and stainless steel.



500g 16403



0.086



-40°C to +1000°C

ROCOL Approvals & Applications

- ▶ **Nuclear Grade:** High Purity
- ▶ Constituents
- ▶ Rolls Royce MSRR 9380
- ▶ Rolls Royce OMAT 4/56
- ▶ DTD 900/6128 ASF 1925

Features & Benefits

- ▶ Excellent anti-seize properties over extended periods at high temperatures
- ▶ Provides even torque loads and prevents galling and pick-up on assembly
- ▶ Protects against wet conditions and chemical attack even in the most aggressive environments
- ▶ Contains extremely low levels of chlorine and sulphur
- ▶ Lubricates, protects and eases dismantling

ANTI-SEIZE Compound



Copper based multi-purpose anti-seize with excellent corrosion protection.



85g 14030

500g 14033

6kg 14035

18kg 14038



0.15



-50°C to +1100°C

ROCOL Approvals & Applications

- ▶ **Naval Cat No:** 0475-541-8659 (6kg)
- ▶ **RAF Ref No:** 34D/301-6210 (85kg)
34D/224-6794 (500g)
- ▶ **NATO Stock No:** 8030-99-301-6210 (85g)
8030-99-224-6794 (500g)
8030-99-541-8659 (6kg)

Features & Benefits

- ▶ Non soap thickener producing non melting anti-seize compound
- ▶ Prevents pick-up and seizure of static threaded fasteners
- ▶ Lubricates, protects and eases dismantling
- ▶ Effective even in the most aggressive environments and is completely insoluble in water

ANTI-SEIZE Regular Grade



Copper based multi-purpose anti-seize for applications found throughout industry.



250g 14026

500g 14027



-180°C to +1100°C

ROCOL Approvals & Applications

- ▶ Customers include:
- ▶ Siemens
- ▶ Daimler Benz
- ▶ BMW
- ▶ Volkswagen
- ▶ Bosch

Features & Benefits

- ▶ Based on graphite, copper and aluminium to avoid seizing in mechanisms and threaded connections
- ▶ Resists vibrations, high pressure, high temperature and aggressive environments
- ▶ Protects against fretting, easing dismantling
- ▶ Acts as a sealant, preventing fluid and gas contamination

ANTI-SEIZE Spray



Copper based anti-seize spray with superb corrosion protection.



400ml 14015



0.15



-10°C to +1100°C

ROCOL Approvals & Applications

- ▶ Ideal for hinges, latches and other mechanisms on furnaces, ovens and other similar equipment
- ▶ It is also ideally suited for high temperature applications such as exhaust systems etc
- ▶ Can be used for extreme conditions found in applications such as docks and oil rigs

Features & Benefits

- ▶ Non soap thickener producing non-melting anti-seize compound
- ▶ Prevents pick-up and seizure of static threaded fasteners
- ▶ Lubricates, protects and eases dismantling
- ▶ Effective even in the most aggressive environments and is completely insoluble in water

ANTI-SEIZE Stainless



Water and chemically resistant grease specifically designed for the protection of stainless steel and nimonic fasteners.



500g

14143



0.085



-40°C to
+1000°C

ROCOL Approvals & Applications

- ▶ Rolls Royce MSRR 4008
- ▶ Rolls Royce OMAT 4/62
- ▶ Rolls Royce OMAT 10123 (spec for V2500)
- ▶ Rolls Royce COMAT 10-110
- ▶ **Naval Cat No:** 0475-179-9539
- ▶ **NATO Stock No:** 8030-99-179-9539
- ▶ BAe Systems approved for high

Features & Benefits

- ▶ Excellent anti-seize properties over extended periods at high temperatures
- ▶ Provides even torque loads and prevents galling and pick-up on assembly
- ▶ Protects against wet conditions and chemical attack even in the most aggressive environments
- ▶ Contains extremely low levels of chlorine
- ▶ Lubricates, protects and eases dismantling
- ▶ Suitable for use with aluminium and its alloys

DRY MOLY Fluid



Extreme load, dry film, molybdenum disulphide paste for use where wet films cannot be tolerated.



5L

10205



7,000
kg/cm²



-50°C to
+450°C

ROCOL Approvals & Applications

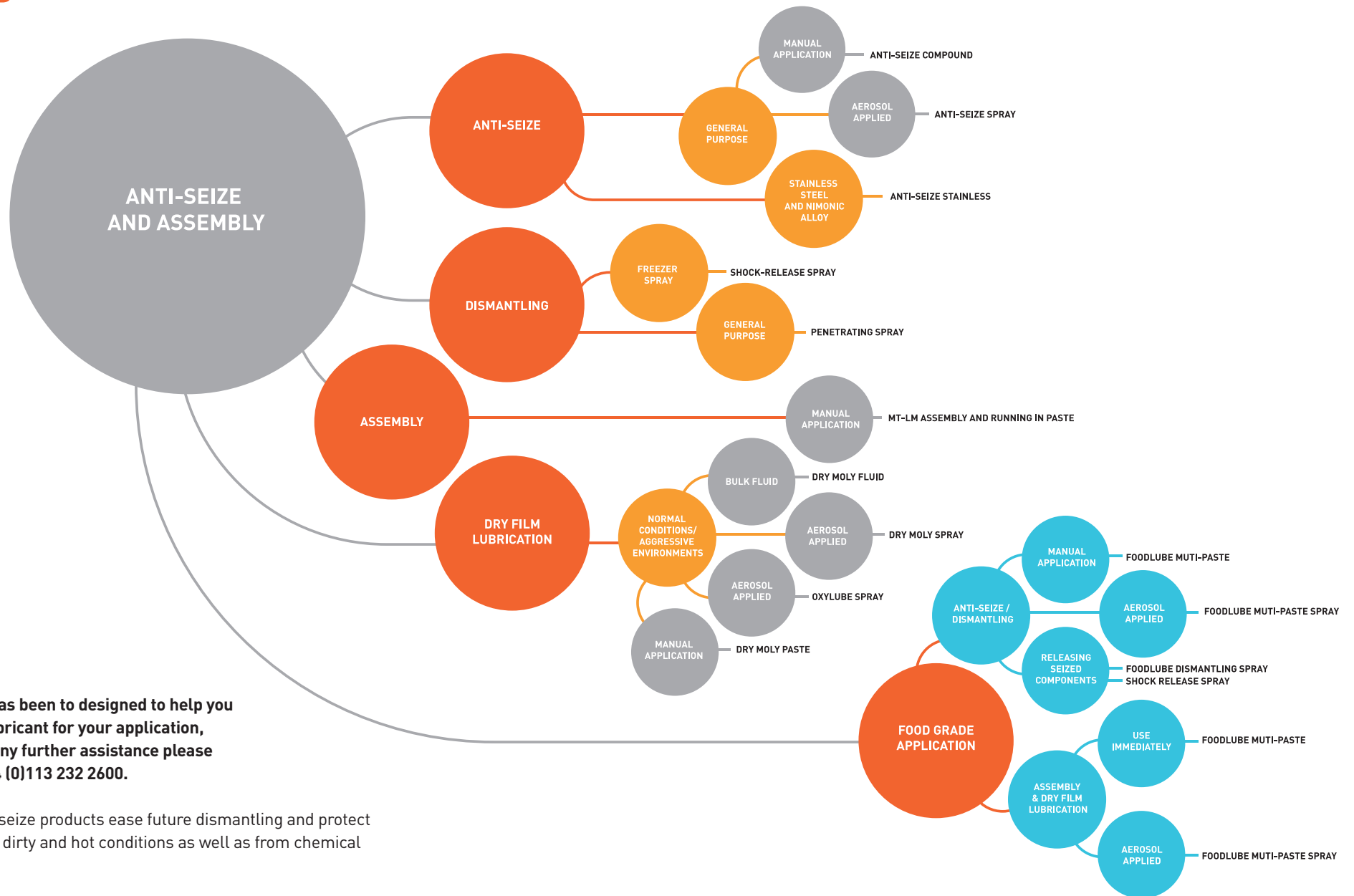
- ▶ Ideal for use as an assembly lubricant for sliding mechanisms, plain bearings and other applications where a totally dry film lubricant is required.

Features & Benefits

- ▶ Dry film lubrication – resists pick-up of contaminants
- ▶ Prevents galling, pick up and seizure
- ▶ Excellent wear resistance (high molybdenum disulphide content)



SELECTION CHART



This selection chart has been designed to help you choose the correct lubricant for your application, however if you need any further assistance please contact Rocol on +44 (0)113 232 2600.

Premium quality anti-seize products ease future dismantling and protect fasteners against wet, dirty and hot conditions as well as from chemical attack.

Rocol assembly products provide either a totally or almost dry thin MoS₂ (moly) film of exceptionally high load carrying strength for application in areas where conventional lubricants fail or are inappropriate.

DRY MOLY Paste



Dry film coating of molybdenum disulphide in paste form.



100g 10040

750g 10046

7,000 kg/cm² -50°C to +450°C

ROCOL Approvals & Applications

- ▶ Rolls Royce Specification R-R OMAT 4/53
- ▶ Ideal assembly lubricant for disc spring assemblies, sliding mechanisms, plain bearings and other applications where a totally dry film lubricant is required

Features & Benefits

- ▶ Can be used where wet films cannot be tolerated due to its dry film lubrication that resists pick up of contaminants
- ▶ Prevents galling, pick-up and seizure
- ▶ Excellent wear resistance due to its high molybdenum disulphide content

DRY MOLY Spray



Extreme load, dry film, molybdenum disulphide paste where wet films cannot be tolerated



400ml 10025

7,000 kg/cm² -50°C to +450°C

ROCOL Approvals & Applications

- ▶ Rolls Royce Specification – R-R OMAT 4/52
- ▶ Primarily designed as an assembly lubricant for sliding mechanisms, plain bearings and other applications where a totally dry film lubricant is required

Features & Benefits

- ▶ Excellent anti-seize properties over extended periods at high temperatures
- ▶ Provides even torque loads and prevents galling and pick-up on assembly
- ▶ Protects against wet conditions and chemical attack even in the most aggressive environments
- ▶ Contains extremely low levels of chlorine
- ▶ Lubricates, protects and eases dismantling
- ▶ Suitable for use with aluminium and its alloys

FOODLUBE® Dismantling Spray



Highly penetrating food grade release spray.



300ml 15720

-20°C to +110°C



ROCOL Approvals & Applications

- ▶ Does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients
- ▶ **Manufactured from only FDA listed ingredients:** FDA Group 21 CFR 178.3570
- ▶ **NSF registered:** NSF H1 registered – 121617 ISO 21469 Certified

Features & Benefits

- ▶ Highly efficient penetration
- ▶ Short term corrosion protection for released parts
- ▶ DETEX™ - x-ray and metal detectable plastic components (aerosol caps and actuators) capable of detection by most x-ray and metal detection equipment



FOODLUBE® Multi-Paste Spray



Food grade, multi-purpose anti-seize and lubricating spray.



400ml 15751



0.09



-30°C to +450°C

ROCOL Approvals & Applications

- Does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients
- Manufactured from only FDA listed ingredients:** FDA Group 21 CFR 178.3570
- NSF registered:** NSF H1 registered – 121613 ISO 21469 Certified

Features & Benefits

- Ideally suited for use on stainless steel
- Long life, up to six times more than the competition
- Exceptionally clean compared to copper based anti-seize
- For high temperature applications
- Prevents galling & pick-up on assembly
- Extremely tenacious – resists water wash out
- DETEX™ – x-ray and metal detectable plastic components (aerosol caps and actuators) capable of detection by most x-ray and metal detection equipment

FOODLUBE® Multi-Paste



Food grade, multi-purpose anti-seize & lubricating paste.



85g 15750

400g 15851

500g 15753

5kg 15756



0.09



-30°C to +450°C

ROCOL Approvals & Applications

- Does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients
- Manufactured from only FDA listed ingredients:** FDA Group 21 CFR 178.3570
- NSF registered:** NSF H1 registered – 121614 ISO 21469 Certified

Features & Benefits

- Prevents pick-up and seizure of fasteners
- Economical in use
- Extremely tenacious - resists water wash
- Ideal for bushes, slides and small open gears operating in food and other clean environments
- Suitable for use with aluminium and its alloys

MTLM Assembly & Running-In Paste



Assembly & running-in paste for precision & interference fit parts



100g 10050

750g 10056

18kg 10057



7,000 kg/cm2



-50°C to +450°C

ROCOL Approvals & Applications

- Joint Services Designation – ZX 38
- Defence Standard - DEF STAN 80-81//2 (S-722)

Features & Benefits

- Reduces the forces required for assembly of close fitting components
- Prevents galling, pick-up and seizure on assembly and during initial running in period before the service lubricant has circulated
- Guards against wear and fretting corrosion
- Excellent wear resistance (high molybdenum disulphide content)

OXYLUBE Spray

Suitable for applications contaminated by aggressive chemicals or petroleum based solvents, oils and greases.



400ml 10125

7,000 kg/cm² -200°C to +450°C

ROCOL Approvals & Applications

- ▶ Rolls Royce Specification – R-R OMAT 4/54
- ▶ Naval Cat No: 0475-224-1963
- ▶ NATO Stock No: 9150-99-224-1963

Features & Benefits

- ▶ Dry film lubrication – resists pick up of contaminants
- ▶ Inorganic resin bonded - suitable for oxygen and vacuum environments. Prevents galling, pick-up and seizure
- ▶ Excellent wear resistance (high molybdenum disulphide content)
- ▶ Suitable for precision and fine threaded components

Penetrating Spray

Extreme performance, molybdenum disulphide reinforced penetrating spray.



300ml 14021

ROCOL Approvals & Applications

- ▶ Corroded threaded fasteners
- ▶ Seized components
- ▶ Outdoor and Marine environments
- ▶ General industrial applications

Features & Benefits

- ▶ Excellent penetration
- ▶ Powerful jet application to aid penetration of seized rust and debris
- ▶ Molybdenum disulphide to aid dismantling
- ▶ Light residual film for short term corrosion protection
- ▶ Fast acting performance

Shock Release Spray

Food grade release and dismantling lubricant with shock freeze action.



400ml 32040



ROCOL Approvals & Applications

- ▶ **Does not contain:** mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients
- ▶ **Manufactured from only FDA listed ingredients:** FDA Group 21 CFR 178.3570
- ▶ **NSF registered:** NSF H1 registered – 141594 ISO 21469 Certified

Features & Benefits

- ▶ Freezing action causes micro-cracking for rapid release
- ▶ Advanced synthetic base oils for highly effective dismantling
- ▶ Reinforced with sub micron PTFE
- ▶ Safe for use on all metals, common plastics and rubbers
- ▶ Shock cooling temperature -40°C in 10 seconds
- ▶ DETEX™ – x-ray and metal detectable plastic components (aerosol caps and actuators) capable of detection by most x-ray and metal detection equipment

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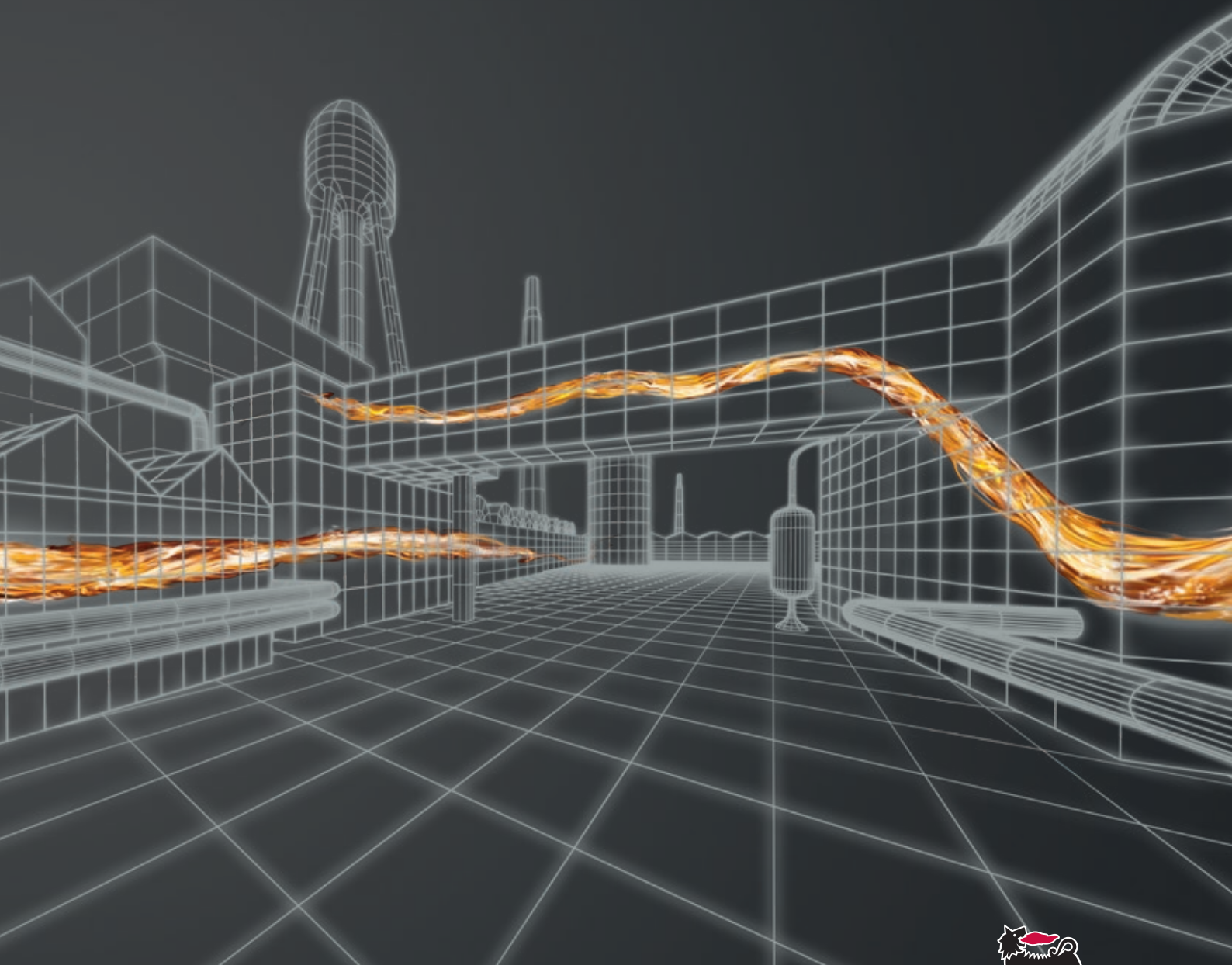
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Industrial lubricants



eni

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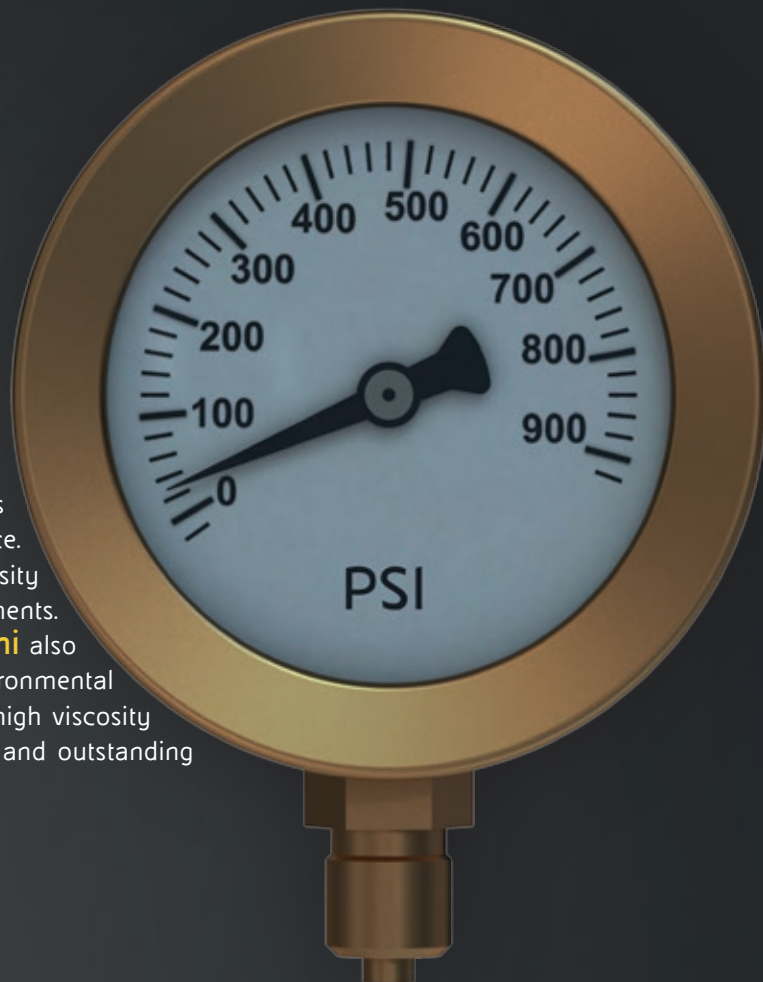
Lubricants for every specialty

Thanks to its dedication to technological development, **eni** continuously sets new standards for product quality. It is this dedication that has resulted in a very complete and technically excellent product line for industrial oils. In addition to technical developments, **eni** focuses on a very high level of service and protection of the environment. The development of biodegradable lubricants is therefore of big importance. The combination of these factors has resulted in countless satisfied **eni** customers worldwide.

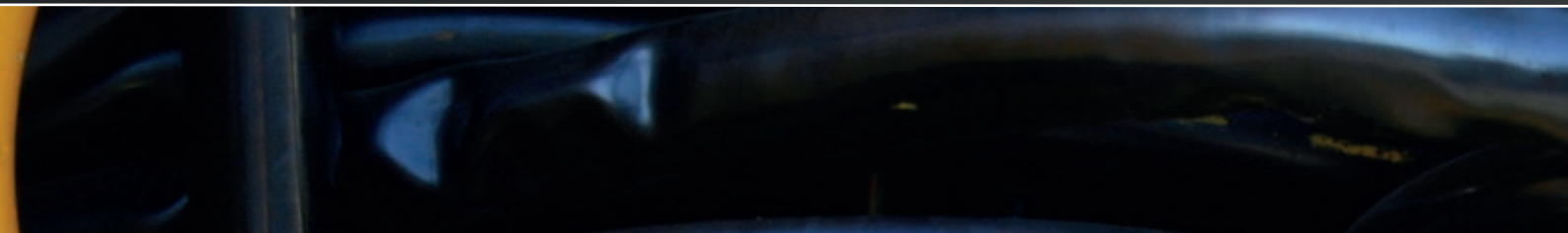


Hydraulic oils

eni has developed a complete series of lubricants for hydraulic applications with excellent performance. The oils are available in various qualities and viscosity grades in order to satisfy all lubrication requirements. In addition to the normal hydraulic product line, **eni** also developed a biodegradable line to comply with environmental regulations. The high quality lubricants possess a high viscosity index, excellent resistance to oxidation and aging and outstanding anti-corrosion, anti-rust and anti-wear properties.



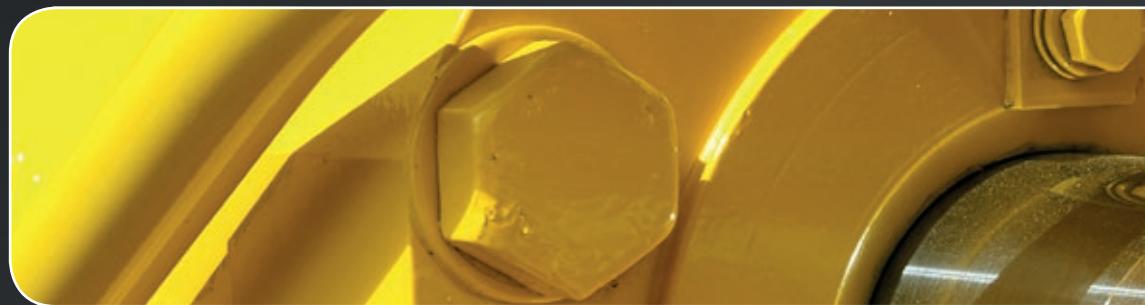
Product	Description	Specifications
Synthetic		
Arnica LT ISO VG 15	Red coloured hydraulic oil having a very high viscosity index and very good properties at low temperatures. Formulated from highly refined, paraffinic base oil and ashless additives. The special formulation ensures a high viscosity index, very low pour point, anti-wear and anti-rust properties, good filtrability and very high thermal and oxidation stability.	ISO-L-HV, ISO 11158 HV, DIN 51524 deel 2 - HVLP, DENISON HF 0 nivo, Eaton Vickers M-2950-S, I-286-S
Arnica PSX ISO VG 46	Hydraulic fluid, with very high performances, specially developed for use in ceramic industry presses. The synthetic base, treated with special additive packages, possesses detergent/dispersant, antioxidant, antirust and antiwear properties. It allows longer oil change intervals than typical with mineral oils.	ISO-L-HV, DIN 51524 Part 3 HVLP-D



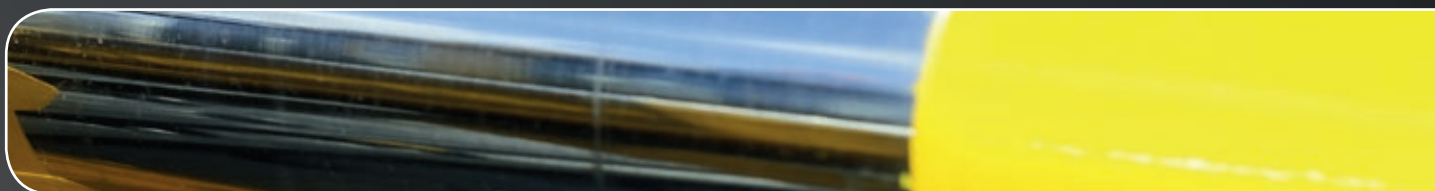
Product	Description	Specifications
Mineral		
Oso ISO VG 10-320	High quality hydraulic oils specially developed for use in all types of hydraulic systems and equipments.	ISO L-FD (OSO 15 & 22), ISO L-HM (OSO 22 -150), ISO 11158 (OSO 32 -150), ISO L-CKB (OSO 220 & 320), ISO 12925-1 (OSO 220 & 320), DIN 51524-2 HLP (OSO 15 - 150), DIN 51517-2 CL (OSO 220 & 320), AFNOR NF E 48603 HM, AISE 127, BS 4231 HSD, CETOP RP 91 H HM, EATON VICKERS I-286-S3 (OSO 32-68), LAMB LANDIS - CINCINNATI P68, P69, P70 -Level (OSO 32-68, PARKER HANNIFIN HF-0 Level (OSO 32-68), SAUER-DANFOSS 520L0463 Rev.F
Oso D ISO VG 22-68	Detergent-dispersant hydraulic oils for use in circuits where water is or can be present. They are obtained from highly-refined base stocks containing additives of anticorrosion, antioxidant and anti wear.	DIN 51524 part 2 HLP-D, ISO-L-HM
Oso S ISO VG 22-100	Ashless, high quality hydraulic oils developed for use in all types of hydraulic systems and equipment, specially where products with very high filterability are required. Formulated from selected paraffinic base stocks treated with antirust, antioxidant and antiwear additives.	ISO 11158 - HM, DIN 51524 deel 2 HLP-D, AFNOR NF E 48603 HM, CETOP RP 91 HM, BS 4231 HSE, DENISON HF 0, CINCINNATE P 68, P 69, P 70, EATON VICKERS M 2950-S, I-286-S
Oso PM ISO VG 46	Special ashless, high quality hydraulic oils characterized by very high antiwear properties. Formulated from selected paraffinic base stocks treated with antirust, antioxidant and antiwear additives.	ISO-11158-HM, DIN 51524 Deel 2 HLP, AFNOR NF E 48603 HM, CETOP RP 91 HM, BS 4231 HSE, EATON VICKERS M-2950-S, I-286-S, Müller Weingarten DTS 55005/7



Product	Description	Specifications
Mineral		
Arnica ISO VG 15-100	Mineral lubricant, specially developed for use in hydraulic systems requiring fluids possessing an extremely high Viscosity Index and a very low pour point for correct operation.	ISO-L-HV, ISO 11158, AFNOR NF E 48603 HV, AISE 127, ATOS Tab. P 002-0/1, BS 4231 HSE, CETOP RP, 1 H HV, CINCINNATI LAMB LANDIS - P 68, P 69 en P70, COMMERCIAL HYDRAULICS, Danieli Standard, 0.000.001 (AGIP SRNICA 22, 46, 68), Eaton Vickers 1-286-s3, Eaton Vickers m-2950, Din 51524 T.3, VLP (ed. 2006), LINDE, PARKER HANNIFIN (DENISON) HF-0, REXROTH RE 90220-1/11.02, SAUER-DANFOSS S20L0463
Arnica DV ISO VG 46	Special hydraulic fluid with a high Viscosity Index and a low pour point, particularly suitable for use in ceramic industry presses.	ISO-L-HV, DIN 51524 part 3 HVLP-D
Arnica P ISO VG 46, 100	Mineral hydraulic oil formulated expressly for use in Poclain machinery. It can also be employed in all hydraulic systems that require fluids with high Viscosity Index and low pour point.	DIN 51524 deel 3 HV, AFNOR NF E 48600 - HV, CETOP RP 91 H - HV,



Product	Description	Specifications
Synthetic and biodegradable		
Arnica ABX ISO VG 15	Biodegradable hydraulic fluid, containing antioxidants, antirust, antiwear and friction modifier additives. It has excellent features at low temperature and it is characterized by a very high VI.	ISO-L-HEPR, ISO 15380 - HEPR, WGK 1 (Water Hazard Class)
Arnica Bio ISO VG 32, 46	Biodegradable hydraulic fluid based on vegetable oils with excellent lubricating-, anti-corrosion and anti-wear properties.	DIN 51524 T 2 HLP, WGK 0 (Water Hazard Class)
Arnica ESB ISO VG 32, 46	"eco-friendly" high performance hydraulic fluids based on saturated synthetic esters, readily biodegradable and not bio-accumulative. EU ECOLABEL registered.	ISO 15380 HEES, Eaton Vickers 35VQ25A, EU Ecolabel registered: eni ARNICA ESB 32 : registration number DE/027/141, eni ARNICA ESB 46 : registration number DE/027/142
Arnica Extra Plus ISO VG 46	Fast biodegradable hydraulic fluid on synthetic ester basis for all high loaded hydraulic systems.	ISO 15380 - HVLP/HEES, VDMA 24 568
Arnica V ISO VG 32, 46, 68	Biodegradable hydraulic fluid, synthesized from selected natural esters. Intended for those applications where the problem of environmental pollution is prevalent.	ISO-L-HETG, ISO 15380 - HETG, WGK 1 (Water Hazard Class)



Product	Description	Specifications
Mineral and fire resistant		
Arnica 104/FR ISO VG 46	Non-flammable hydraulic fluid with high VI and low pour point. It consists of a glycol/water solution additive-treated to prevent corrosion.	ISO-L-HFC, Danieli according to Standard 0.000.001 specification.
Synthetic and fire resistant		
Arnica S ISO VG 46 - 68	Biodegradable synthetic fluids for use in applications particularly exposed to fire hazards or involving soil-contamination risks. Formulated from synthetic bases composed of organic esters treated with special additive packages.	ISO-L-HFDU, INLINE Hydraulic GMBH, ILVA CRS/TCM 425, LEDUC Hydraulik, MANNESMAN REXROTH RD 90221/05.93, SCHAEFF, VIIIth Report of Luxemburg - HFDU
Arnica S FR ISO VG 46 - 68	Biodegradable synthetic lubricant, Factory Mutual approved as fire resistant hydraulic fluid, suitable for use where it is exposed to the risk of fire hazards and environmental pollutions. Formulated with organic ester and specific additives.	ISO-L-HFDU, ISO 6743/4 HFDU, ISO 6743/4 HEES, ISO 12922 HFDU, ILVA ST 127 Rev.3 2010, FM Approvals Class 6930, VIIIth Report of Luxemburg - HFDU



Gear oils

eni gear oils have been developed to meet the widest range of requirements for (E.P.) lubrication. The Blasia range is characterized by the high quality of used components, which provide excellent performance in terms of lubrication, protection and long-service life. Both mineral and synthetic based products contain additives, that ensure the capability of the oil to withstand the high loads it can be exposed to.

Product	Description	Specifications
Mineral		
Blasia ISO VG 32 - 680	Developed to meet the widest range of requirements of EP lubrication, such as gears operating under severe duty.	ISO-L-CKD, ANSI/AGMA 9005-D94 (AGMA 2EP, 3EP, 4EP, 5EP, 6EP, 7EP, 8EP), ASLE EP, DIN 51517 deel 3 CLP, U.S. STEEL 224, DAVID BROWN S1.53.101(5E), approved by CINCINNATI MILACRON: P-63 (ISO VG 68), P-77 (ISO VG 150), P-74 (ISO VG 220), P-35 (ISO VG 460), approved by Danieli according to Standard 0.000.001 specification.
Blasia P ISO VG 1000, 2200, 3200	Very viscous oil treated with EP additive to ensure proper lubrication of heavily loaded, slow-moving parts. The two ISO VG grades 1000 and 2200 are mineral based, whereas the 3200 is partially synthetic.	

Product	Description	Specifications
Mineral		
Blasia BM ISO VG 220	Developed to meet the widest range of required where EP properties are requested (gears operating under severe duty). Manufactured from paraffinic base stocks and additives (sulphur and phosphorus compounds), to ensure good high-speed and shock-load performance. The presence of molybdenum compound ensures reliable wear protection under shock loads and unfavorable operating conditions cushioning vibrations and muffle noise.	ISO-L-CKD, ANSI/AGMA 9005-D94 (AGMA 5EP), DIN 51517 deel 3 CLP, DAVID BROWN S1.53.101(5E)
Blasia FMP ISO VG 100 - 460	Very high performance gear oils for lubricating in extreme pressure conditions (EP) of the latest generation industrial gear reducers, in particular, those extremely compact and of high specific power that could have problems of micropitting damages.	ISO-L-CKD, ISO 12925-1-CKD, ANSI/AGMA 9005-D94 (AGMA 3EP, 4EP, 5EP, 6EP en 7EP), ASLE EP, DIN 51517 deel 3 CLP, U.S. STEEL 224, DAVID BROWN S1.53.101(level), FLENDER BA 7300 Table A (ISO VG 150, 220, 320 eb 460), Müller Weingarten DT 55 005 type CLP level, CINCINNATI MILACRON (P-77 ISO 150, P-74 ISO 220, P-35 ISO 460)
Fin 332/F, 360 EP/F	Very adhesive black-coloured mineral-based lubricants suitable for lubrication of machinery exposed to the atmosphere.	DIN 51513 BC-V, ISO-L-CH-DIL ISO-L-CJ-DIL, approved by Danieli vlgs. Standard 0.000.001 specification (FIN 332/F)

Product	Description	Specifications
Synthetic		
Blasia S ISO VG 150 - 460	High pressure gear oil based on synthetic base oils of Polyglycol type for the lubrication of high loaded spur and worm gears as well as rolling and sliding bearings under extreme operational conditions.	DIN 51 502 PGLP, WGK 1
Blasia SX ISO VG 100 - 320	Developed for the lubrication of gears and bearings operating at high temperatures. It is formulated from a synthetic base (polyalphaolefin) and additive-treated to impart appropriate antirust, antiwear properties and exceptional oxidation and thermal stability.	ISO 6743-6/CKT, ANSI-AGMA 9005-D94 (AGMA NO. 3S, NO. 5S, NO. S6), DIN 51517 deel 3 CLP (ISO VG 100, 220, 320), eni BLASIA SX is approved by AlfaLaval
Blasia FSX ISO VG 320, 460	Very high performance synthetic (PAO) gear oils for lubricating in extreme pressure conditions (EP) of the latest generation industrial gear reducers, in particular, those extremely compact and of high specific power that could have problems of micropitting damages.	ISO-L-CKD, ISO 12925-1-CKD, ANSI/AGMA 9005-D94 (AGMA 4EP, 5EP, 6EP en 7EP), ASLE EP, DIN 51517 deel 3 CLP, U.S. STEEL 224, DAVID BROWN S1.53.101(le-vel), FLENDER BA 7300 Table A, Müller Weingarten DT 55 005 type CLP, CINCINNATI MILACRON (P-77 ISO 150, P-74 ISO 220, P-35 ISO 460)
Arum HT ISO VG 220	Superior quality lubricant formulated from special ester-type synthetic bases which leave no deposits at high temperatures. It is additive-treated to impart antiwear properties and exceptional oxidation resistance.	
Synthetic and biodegradable		
Blasia ESB ISO VG 220 - 460	Formulated from biodegradable synthetic bases composed of esters treated with special additive packages.	DIN 51517 part 3 CLP

Compressor oils



The **eni** product line for compressors comprises of products for high and low temperature applications. When compressing a gas, the lubricant is exposed to high temperatures and, especially in case of air compression, high oxidative stress. The **eni** Dicrea product line is a complete series of lubricants for air and industrial gas compressors. The lubricants are very stable at high temperatures, limiting the formation of deposits in the hot areas. The **eni** Betula product line is a range of lubricants for refrigeration compressors. Even at very low temperatures, the lubricant is still sufficiently fluid to be able to ensure lubrication. Moreover, the lubricant is tolerant with respect to the cooling medium.

Gas compressors

Product	Description	Specifications
Synthetic		
Dicrea S ISO VG 150	Fully synthetic lubricant with a polyglycol base developed specifically to guarantee outstanding lubrication for compressors handling natural gas, LPG, ammonia and chlorine-fluorine derivatives.	ISO-L-DRA, ISO-L-DRC, ISO-L-DRE, DIN 51303 KAA, DIN 51503 KC, MM-O-2008 type II (NATO O-283) (ISO VG 68), MM-O-2008 type IV (NATO O-290) (ISO VG 32), VV-L-825b type II (NATO O-283) (ISO VG 68), VV-L-825b type IV (NATO O-290) (ISO VG 32), Sulzer Burckhardt type "k" (ISO VG 100), Zanussi Elettromeccanica (ISO VG 32)

Air compressors

Product	Description	Specifications
Mineral		
Dicrea ISO VG 32 - 320	Mineral oils, formulated with paraffinic base stocks, recommended for the lubrication of air compressors, including those with very high air delivery temperatures (200oC or more). The ISO VG 32 and 46 have been developed specifically for rotary compressors (screw and vane).	ISO-L-DAH (ISO VG 32-68, ISO-L-DAG (ISO VG 100-320), GM LJ-03-1-04 (ISO VG 32), GM LJ-04-1-04 (ISO VG 46), GM LJ-06-1-04 (ISO VG 68), GM LJ-10-1-04 (ISO VG 100), ISO-L-DAB (ISO VG 32-150), ISO-L-DAA (ISO VG 220-320), DIN 51506 VDL (ISO VG 32-150), DIN 51506 VBL (ISO VG 220-320), ISO-L-DVA (ISO VG 32-150), HATALAPA (ISO VG 100), ITALVACUUM (ISO VG 100 e 150), NEA Neuman & Esser (ISO VG 100), Neunenhauser Kompressoren (ISO VG 100), Sulzer Burckhardt (ISO VG 150)
Synthetic		
Dicrea SX ISO VG 32, 46, 68	Synthetic oils with a polyalphaolefin base. They are compatible with the type of rubber used in air compressors. Due to the fully synthetic base, maintenance intervals can be significantly extended compared to mineral based lubricants.	ISO-L-DAB, ISO-L-DAJ, DIN 51506 VDL, ABB HZTL 90617 (VTR turbocharger), WARTSILA 4V92A670 RevJ
Dicrea ESX ISO VG 100	Synthetic oil with an ester base. It minimizes the formation of damaging carbon deposits and sludges on the valves. It has been specifically designed for reciprocating compressors.	ISO-L-DAB, ISO-L-DAJ, DIN 51506 VDL, Approved by Sperre

Refrigerator compressors

Product	Description	Specifications
Mineral		
Betula ISO VG 32, 46, 68	Formulated with special naphthenic base oils appropriately refined, for all types of refrigerants (ammonia, freon 12, freon 22 etc.).	ISO-L-DRA, ISO-L-DRC, DIN 51303 KAA, DIN 51503 KC, MM-O-2008 type II (NATO O-283) (ISO VG 68), MM-O-2008 type IV (NATO O-290) (ISO VG 32), BITZER KT-500-5
Synthetic		
Betula S ISO VG 32 - 100	Formulated with special synthetic base (PAO). Intended for lubrication of refrigeration compressors (reciprocating, rotary-screw and vane) of the closed domestic type, open and semi-sealed industrial units for refrigeration, or heat pump systems using all types of refrigerant (ammonia, Freon 12, Freon 22 etc.). They may also be used in other equipment and machinery operating at very low temperatures.	ISO-L-DRA, ISO-L-DRC, ISO-L-DRE, DIN 51303 KAA, DIN 51503 KC, MM-O-2008 type II (NATO O-283) (ISO VG 68), MM-O-2008 type IV (NATO O-290) (ISO VG 32), VV-L-825b type II (NATO O-283) (ISO VG 68) Sulzer Burckhardt type "k" (ISO VG 100), Zanussi Elettromeccanica (ISO VG 32), VV-L-825b type IV (NATO O-290) (ISO VG 32)
Betula ESX ISO VG 32 - 150	Formulated with special synthetic base (polyolesters), used in refrigerators where HFC refrigerants are used (R134a, R 404a, R407c, R507).	ISO-L-DRE, ISO-L-DRD, DIN 51503 KD

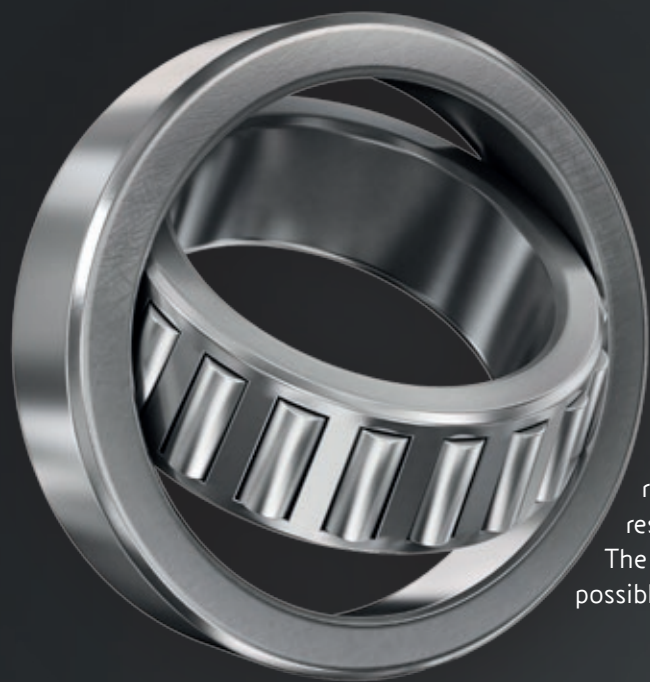
Stationary engine oils

These are products intended for all those applications where internal combustion engines are used for generating electric power. This category of lubricants comprises oils for application in engines running on diesel fuel or fuelled by natural gas or landfill gas (biogas). Considering the delicacy of the application, it is fundamental to receive, besides the high quality of **eni** Geum, also **eni**'s technical support.



Product	Description	Specifications
Mineral		
GEUM SAE 30, 40	A lubricant of API CF level designed for use in stationary engines operating on natural gas or LPG, where the manufacturer recommends a lubricant with less than 0,5% of sulphated ash.	Caterpillar, Cooper-Superior, Dresser-Rand (category I, II & III), Waukesha VHP, Deutz-MWM, Ulstein-Bergen
GEUM C SAE 40	A modern lubricant of API CD level, specifically designed for use in gas engines operating on natural gas with a content of H ₂ S not higher than 0.15%. GEUM C is recommended for the lubrication of supercharged or atmospheric gas engine, with or without exhaustgas catalyst.	Wärtsilä (W25SG en W28SG engines), Guascor (F engines)

Product	Description	Specifications
Mineral		
GEUM E SAE 40	A modern lubricant of API CD level, specifically designed for use in gas engines operating on landfill and biogas. Recommended for the lubrication of supercharged or atmospheric gas engine, with or without exhaustgas catalyst.	
GEUM NG SAE 40	New engine oil with optimized performances for latest generation gas engines fuelled with natural gas or biogas, suitable for both stoichiometric and lean-burn type engines.	Approved by GE Jenbacher for the following engines and gasses: Type 2 en 3 - fuel class B en C, Type 4, version A en B - fuel class B en C, Type 6 to version E - fuel class B en C
GEUM LFG SAE 40	New premium engine oil, formulated with low-ash technology, specifically dedicated to landfill gas, biogas, digester gas stationary applications.	Approved by GE Jenbacher for the following engines and gasses: Type 2 en 3 - fuel class B en C, Type 4, version A en B - fuel class B en C, Type 6 to version E - fuel class B en C
Semi Synthetic		
GEUM SX SAE 40	A semi-synthetic lubricant for both naturally aspirated and supercharged stationary engines fed with methane gas. eni GEUM SX has been expressly designed for providing very long oil draining intervals.	Rolls Royce Ulstein-Bergen



Circulation oils

eni circulation oils are developed for use in circulation systems, intended for the lubrication of bearings, crankshafts, oil-filled couplings and gears, where no EP properties are required. The oils can also be used in hydraulic systems, where resistance against aging and anti-rust properties are required. The different viscosity classes of the **eni** product line make it possible to select the right oil for all operating conditions.

Product	Omschrijving	Specifications
Synthetic and biodegradeable		
Radula ISO VG 15 - 320	Radula oils are recommended for most machinery lubricated by a circulation system.	Approved by Danieli Standard 0.000.001 specification.
Acer ISO VG 15 - 680	High quality (R&O) lubricants for use in circulation systems and hydraulic circuits. These oils are based on selected paraffinic base oils with anti-oxidation and anti-corrosion additives.	CINCINNATI P-62, DIN 51517 t.2 CL
Acer MP ISO VG 100 - 460	Suitable for use in circulation systems. These oils are based on selected paraffinic base oils with anti-oxidation and anti-corrosion additives. Excellent demulsibility even in the presence of large quantities of water	Approved by Danieli Standard 0.001 specification editie 4/89
Acer MPK ISO VG 150, 220	Special lubricant specifically intended for simultaneous lubrication of bearings and gears under high temperatures. Mainly used in the paper industry .	BELOIT (Chart 1-21-127 1982) "oil C", CARCANO (A4-415-5 I 1981) oil "G"

Heat transfer oils

eni's product line for filling heat transfer units can be used in all open or closed systems. The different viscosity grades enable selection of the most suitable oil for operating conditions. The oils have excellent oxidation stability and withstand thermal decomposition. They also have high demulsibility property and air release performance, thus ensuring proper operation of the heat transfer unit.



Product	Description	Specifications
Mineral		
Alaria 2, 3, 7 ISO VG 15, 32, 100	Based on paraffinic mineral oils, intended for use in open and closed systems at a max. surface temperature of 340°C (2), 320°C (3) or 315°C (7).	
Alaria 3 HT ISO VG 32	Based on paraffinic mineral oils, intended for use in open and closed systems at a max. surface temperature of 350°C.	

Textile oils

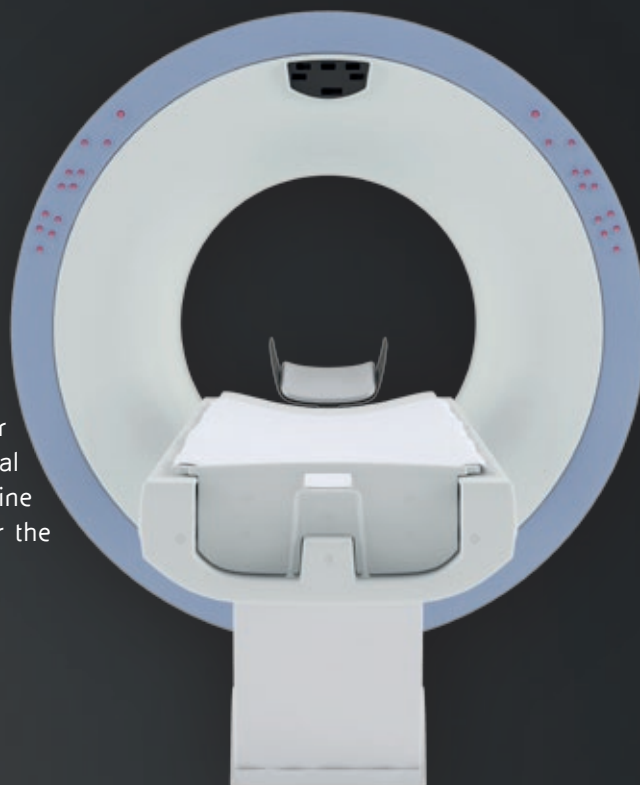


The **eni** Codium series are special oils for the textile industry, formulated using colorless oils that, due to their extreme degree of refining, are free of hydrocarbons that are difficult to remove. A particular additive treatment provides these products with certain features that distinguish them as high quality textile oils with excellent anti-rust properties for the protection of lubricated components, optimum adhesiveness and anti-drip properties, good wash ability for removal of any traces of oil from the fabric and they are free of coloration to minimize any effects of residual contamination after washing.

Product	Description	Specifications
Mineral		
Codium L ISO VG 15, 46, 100	Specially for the textile industry developed colorless, good washable and and free of hydrocarbons that are difficult to remove.	
Synthetic		
Codium LS 32 ISO VG 32	Specifically for the textile industry developed colorless, washable and free of hydrocarbons that are difficult to remove. Contains a synthetic component that combined with additives, provides a product that is more resistant to harsh conditions than traditional textile oils.	

White oils

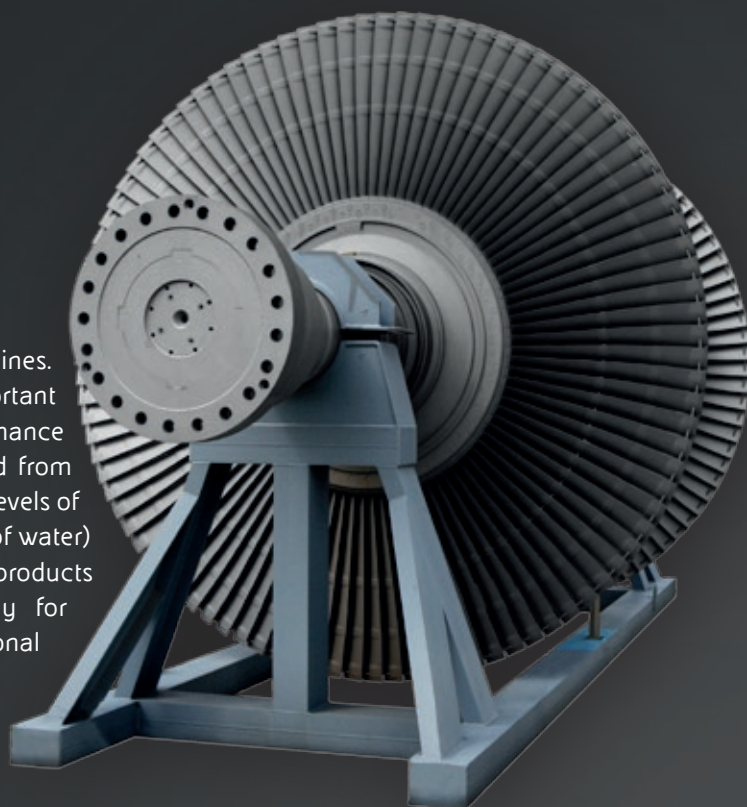
eni's OBI line of white mineral oils are highly refined, colourless, tasteless and odourless and mainly used for pharmaceutical, cosmetic and phytopharmaceutical applications. The OBI T line is a technical white vaseline with a slight petroleum odour, which is suitable for the lubrication of precision mechanisms.



Product	Description	Specifications
Mineral		
OBI 10 ISO VG 68	Colourless, tasteless and odourless medicinal vaseline for medicinal purposes, for the production of cosmetics and for specialised industrial applications, such as in CO ₂ compressors for dry ice production, SO ₂ refrigerator compressors, ethylene compressors for production of polyethylene.	European Pharmacopoeia, Official Italian Pharmacopoeia: X Edition, USA FDA, 21 CFR 172.878, USA FDA, 21 CFR 178.3620(a)
OBI 12 ISO VG 15	Colourless, tasteless and odourless medicinal vaseline for medicinal purposes, for the production of cosmetics and for specialised industrial applications, such as in CO ₂ compressors for dry ice production, SO ₂ refrigerator compressors, ethylene compressors for production of polyethylene.	European Pharmacopoeia, Official Italian Pharmacopoeia: X Edition, USA FDA, 21 CFR 172.878, USA FDA, 21 CFR 178.3620(a)
OBI T 13 ISO VG 15	Technical white oil for the lubrication of precision mechanisms, such as e.g. watches and textile machines, also suited for use as softener or process oil.	

Turbine oils

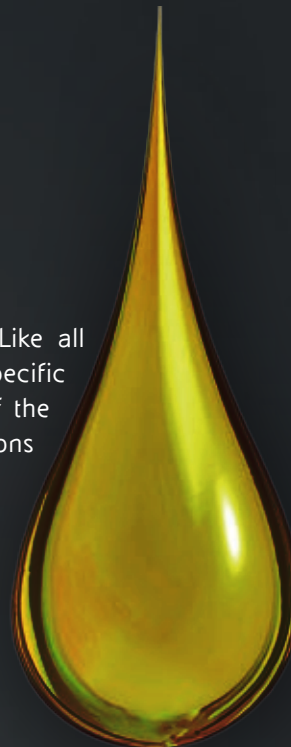
Turbines are extremely complex and delicate machines. The oil used in this type of machinery plays an important role in ensuring that it operates correctly whilst maintenance costs are kept to a minimum. Turbine oil is produced from high quality mineral base oils that provide the highest levels of performance in terms of demulsibility (the separation of water) and air release. **eni**'s range of turbine oil includes products made with non-conventional base oils specifically for sophisticated applications or in cases where exceptional resistance to oxidization is required.



Product	Description	Specifications
Mineral		
Ote ISO VG 32 - 100	Top quality mineral oil designed to satisfy even the most severe lubrication requirements of steam, gas and water turbines, having especially high oxidation and aging resistance as well as very high demulsibility.	ABB HTDG 90117 E mod. M, ALSTOM HTDG 90117 V0001 W, ANSALDO ENERGIA 3.2-0092-8430, ASTM D 4304 type I, BS 489:1999, CEI 10-8 (1994) - DIN 51515-1 L-TD, GENERAL ELECTRIC GEK 28143A - Type I, II and III, ISO 6743/5, ISO 8068, ISO -L-THA (OTE 100), ISO -L-TSA /-TGA, JIS K 2213 - (1983), MITSUBISHI SPEC. NO. E00-001 REV.1, NUOVO PIGNONE N. SOS 02111/4 (OTE 46), NUOVO PIGNONE SOM 17366 (OTE 32), SIEMENS TLV 9013 04/01
Ote GT ISO VG 32, 46	Superior quality lubricants specifically designed for use in gas turbine applications, formulated with selected base stocks and specially chosen additives to ensure an exceptional resistance to oxidation and anti-rust. It's "mild EP" properties makes it suitable for lubrication of turbine reduction gear units.	ISO 8068 L-TSA/-TSE/-TGA/-TGB/-TGE/-TGSE, DIN 51515-1 L-TD, DIN 51515-1, L-TG X X ASTM D 4304 TIPO II, GM LUBRICANT STANDARD LS2 (2004), GENERAL ELECTRIC GEK 28143B, GENERAL ELECTRIC GEK 32568H (Ote 32 GT), GENERAL ELECTRIC GEK 101941A (Ote 32 GT), GENERAL ELECTRIC GEK 107395A (Ote 32 GT), GE THERMODYN ISPSH902SDI (Ote 46 GT), MAN GHG BORSIG SP 079984 E 0000 E 99, NUOVO PIGNONE SOM 23543 (Ote 32 GT), NUOVO PIGNONE SOM 23687 (Ote 32 GT), SIEMENS MAT 812109 (Ote 32 GT), SIEMENS MAT 812107 (Ote 46 GT), SIEMENS WESTINGHOUSE M-SPEC 55125Z3 (Ote 32 GT), SOLAR ES 9-224 CLASSE II, ALSTOM HTDG 90117 V0001 X (Ote 46 GT) ALSTOM HTDG 90117 V0001 W, ANSALDO ENERGIA 606W807 REV.C (2012), SIEMENS TLV 9013 04, SIEMENS TLV 9013 05

Special oils

Under the header "special oils" belong very diverse products. Like all products in **eni's** range, the highest attention was paid to the specific application whilst formulating the products. The products are of the highest quality and are ideal for deployment in the toughest conditions in the envisaged application.



Product	Omschrijving	Specificaties
Mineral		
ASP C ISO VG 32, 100	Special mineral oil with tackiness properties. It absorbs moisture. Intended for use in pneumatic tools as well as in the paper, textile and packaging industry.	
ASP ISO VG 100, 150, 220	Adhesive oil on mineral oil base, reducing oil consumption in the event of loss-lubrication, centrifugal forces and vibrations.	
Acer MV ISO VG 10	Special oil with very low viscosity, based on selected base stocks with antirust, antioxidant and antiwear additives. It is specifically designed for the lubrication of fast spindles of machine tools.	ISO-L-FC
ITE 600	A mineral insulating uninhibited oil for transformers. It is formulated from a highly refined petroleum base stock to impart excellent dielectric properties.	I.E.C. 60296 ed. 4 (2012) Transformer oil U -30°C, I.E.C 1982 Class I and Class II (1982), CEI EN 60296 Classificazione 10-1 Olio per trasformatori U -30°C (2004), CEI 10-1 Olio per trasformatori Classe I e Classe II (1997)
VAS 460, 900 ISO VG 460, 1000	eni VAS is a straight mineral oil specifically designed for lubrication of cylinders of steam engines where condensate is recovered.	

FAST service

Used-oil analysis plays an important role in preventive maintenance of engines and equipment. To help customers integrate this practice in their daily operations, **eni** provides a full analysis service thanks to its collaboration with a specialized independent laboratory.

The analysis measures the following parameters:

- Condition of the oil
- Pollution of the oil
- Level of wear

By performing the used-oil analysis on a regular basis, you will increase the engine or equipment life, optimize the oil change intervals and get the insurance that both mechanics and lubricants are in optimal state.

Advantages

- Reduced downtime thanks to regular diagnosis
- Increased equipment life and greater reliability which reduce the service costs
- Accurate results and an easy, reliable interpretation of the results
- Clear recommendations for your equipment performed by specialists
- Wear level benchmarked against similar equipment make/model
- Results delivered within 24 hours from sample reception
- Traceability of results available from the 3rd analysis onwards

Analysis kit

- One analysis kit containing 6 sample bottles, 6 labels and 6 envelopes for returning
- Delivered to customer's address
- Direct access to website platform for distributors and key customers to consult/download reports
- Reports available in Dutch, English or French
- Pre-paid analysis, to be used within 2 years
- Analysis available for engine oils and hydraulic oils

10 reasons to work with eni

1. Sustainability

Respectful use of resources, be it people be it the environment. For example **eni** is also using re-refined base oils to produce certain lubricants where applicable.

2. Trust

More than 60 years of experience in the lubricant business around the world.

3. International

eni lubricants are successfully sold in more than 100 countries.

4. World-class workforce

Working with **eni** means working with its highly motivated people committed to providing solutions to all customers every day.

5. Research and development

More than 200 employees in research and development including the collaboration with the main research institutes in this fieldx ensure **eni**'s high-technology-position.

6. High-quality

Our products are based on a careful selection of the best raw material sand additives in order to grant the best performing products.

7. Integrated production cycle

eni produces finished products as well as its own base oils and additives.

8. Customer Care

Our personal mission is listen, understand and fulfil our customers' needs, hence involve them in our decision making process.

9. Service

eni is committed to excellent and efficient service and high customer orientation with the aim to create value for all partners involved.

10. Made in Italy

Italy's well renown tradition and culture of design to improve the quality of life is a fundamental part of our thinking and products, so we are proud to export 'italianity' to all parts of the world.



benelux

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