



Product Catalogue

Darshan Safety Zone an ISO 9001:2015 certified Company is engaged in the manufacturing of Glass Fiber & Ceramic Fiber Fabric, Rope, Tape, & All types of Welding Blankets and Fire Blankets Range of Silicon, Graphite, Vermiculite, Europeans Vermiculite at their state of art technology at India.



Welcome to Our Product Catalogue

2012



Mission

Our Mission is to make our Brand Signature More Accurate for Fire and Heat insulation Solutions. We are also aiming to get into government sectors and Private Sectors to make one and Only the Signature By A Darshan Safety Product. We aim to achieve this by Our Practised and Saga Sales Team, Production team and Research and Development Team. We are also wanting to Increase Our Charity Goals to Old age Homes, Orphanage Homes.



Vision

Our vision is to make our Brand "Signature By A Darshan Safety Product" More Popular Among the Heavy Industries For Fire Safety and Heat Insulation Solution. Since then, we have grown and evolved into a Great Achievement by Entering in to Government work.



At Ahmedabad (Gujarat, India), we are supported by a robust infrastructural base that comprises different departments such as Procuring, Production, Quality Testing, Sales & Marketing and Warehousing & Packaging. All departments function under the direction of an adroit team of professionals to maintain streamline production.



Our Values

At Darshan Safety Zone, we are guided by a set of core values that shape our culture and influence our decisions. These values include as below

Customized Solution:

We prioritize Client's Application, accordingly our Executives will provide customized Solution for such kind of Application, We also believe in that by Personal visiting at client's Premises will make this decision more impactful.

Quality Assurance:

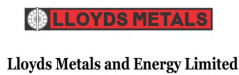
We strive for maintaining our manufactured material's Quality, for that our Product team is always ready for R&D and Do something New as per Client's Expectation.

On time Dispatch & Delivery:

We believe in Delivering the Ordered material on Client's Expected timing. For that our Transportation Team is always on Wheels, on the same Day or Next Day Team is Dispatching the Ordered materials By Assuring client as well third-party Transport services, this goal is Achieved very well.



Our Valuable Customers



Fire Blanket

DSZFG0.6

BS EN 1869:2019



In 2012, our company pioneered the Signature Fire Blanket, a groundbreaking innovation in fire safety. This fire-extinguishing blanket is specifically designed to protect people and property from various types of fires in different settings.

This Signature Fire Blanket is an essential tool for any setting where fire safety is a top priority. Its unique design, advanced materials, and reliability make it an indispensable asset for protecting people and property from fire hazards.

Key Features

- Made from advanced fire-retardant fabric
- Effective in extinguishing fires promptly and efficiently
- Compact and lightweight (0.9 kg) for easy handling and storage
- Resistant to extreme temperatures (650 °C to 900 °C)
- Ideal for use in homes, offices, kitchens, hotels, hospitals, schools, and more

Available Sizes for Fire Blanket:

1 X 2 Meter

1.2 X 1.8 Meter

1.8 X 1.8 Meter

2 X 2 Meter

Any Other Customized for Industrial Applications

Standard Thickness: 0.6 mm ± 0.05 mm

A Cutting-Edge Fire Safety Solution





How To Operate With Simple Steps

Step 1: Pull the Strips From Bag of Fire Blanket, Unfold the blanket in front of fire.

Step 2: Grab the handles in the corners, and pull over the blanket in one movement.

Step 3: Wrap the blanket tightly around the Fire to reduce the supply of oxygen, make sure there are no any spec for air.

Step 4: Leave in same position for at least 20 minutes.

Step 5: After Getting cold, rinse with Water to get clean and store back for reuse If Its not Get Damaged.

Benefits of Using Signature Fire Blanket

Rapid fire protection: Acts fast to prevent fire spread

Personal safety: Shields you from harm

Easy to use & maintain: Simple operation, minimal upkeep

Compact storage: Conveniently store in any location

Durable construction: Built to last, withstands extreme conditions

Eco-friendly: Non-toxic, environmentally safe

Fast-acting: Isolates fires in seconds

Effective fire extinguishing: Extinguishes fires in minutes

Simple operation: Can be used by anyone

Universal application: Even effective on electric cars

Fire Blanket Quality

Construction : Made of 100% E Glass fibers With Satin Weave

General Performance : 100% Non Asbestos Reusable & No Expiry Date

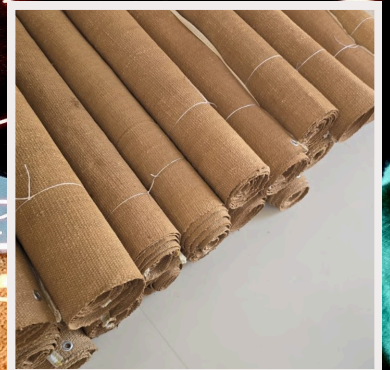
Fire Performance : 2 Hours Fire Rating @650 °C



Welding Blanket

OS Optrel
www.optrel.com

IS 15381
IS 11871
[Method A & B]



Introducing the Signature Welding Blanket, expertly crafted for exceptional performance and durability. With a high vermiculite content of 10-12%, our blanket provides vital support in collecting molten metal slag, making it an ideal alternative to asbestos-based textiles.

Our welding blanket is constructed with:

- Ceramic fibers in a plain weave for exceptional durability
- SS soft wire reinforcement for added strength
- Vermiculite coating for unparalleled heat resistance and protection

Weight: 1500 GSM

Colour: Brown

Eyelets: Per Meter

Edges: Stitched with Fiberglass Tape

Available Sizes for Welding Blanket

1 X 2 Meter	5 X 5 Meter	10 X 12 Meter
2 X 2 Meter	6 X 6 Meter	12 X 12 Meter
3 X 3 Meter	6 X 10 Meter	15 X 15 Meter
4 X 4 Meter	10 X 10 Meter	20 X 20 Meter

Any Other Customized for Industrial Applications
Standard Thickness: 3.2 mm $\pm$ 0.05 mm



How To Operate With Simple Steps

FAST Recommendations:

Before using blankets for the first time, always perform a test. Use multiple layers initially for maximum protection from sparks spatter & radiant heat. (After testing less layers can be used!)

Always use on an incline of at 35 degrees or more. Always use more layers initially.

Being Powder Coated Always sprinkle bit of Water on Blanket to enhance performance.

In general, use welding torch should be kept at least 3ft from welding blanket at atmosphere pressure and After welding works finish, let cool down the Blanket then fold in Roll Form to Reuse the same Blanket.

Key Benefits

- Low thermal conductivity for effective heat management
- Superior dielectric strength for enhanced electrical insulation
- Excellent corrosion resistance for durability
- Continuous operating temperature of 2300°F (1260°C)
- Melting point of 1760°C



Scan Me to Watch
Testing Process

Use Of Application

Welding Works: Providing protection from sparks, spatters, and heat, our blanket ensures a safe working environment for welders.

Foundry Works, Aluminum and Steel Mills, Boiler Insulation and Seal, Shipyards, Refineries, Power Plants, Chemical Plants.

The Signature Welding Blanket's widespread adoption is a testament to its exceptional quality, durability, and performance. Its versatility and reliability make it an indispensable tool in various industries, ensuring a safe and efficient working environment.



Additional Advantages

- 100% non-asbestos for safe and healthy use
- Reusable for cost-effective and eco-friendly operations
- No expiry date for long-lasting performance
- 3 Hours Fire Rating @1100 °C for exceptional fire resistance



Signature Car Fire Blanket

— A Revolutionary Solution for Vehicle Fire Safety

Introducing the Signature Car Fire Blanket, a groundbreaking innovation launched in 2018, specifically designed to tackle vehicle fires. Engineered with advanced fire-retardant materials, this blanket boasts a generous 6 x 8 or 6 x 9 meter coverage, ensuring rapid and effective fire suppression. Responding to the growing concern of vehicle fires in parking lots and petrol stations, our Car Fire Blanket offers a reliable, compact, and portable solution, weighing only 25 kg. Its sleek design enables effortless deployment, even in areas inaccessible to fire-extinguishing vehicles.

The Signature Car Fire Blanket is particularly useful in confined spaces such as parking lots and petrol stations, where traditional fire-extinguishing vehicles may struggle to access. Its compact size and lightweight design make it easy to maneuver in tight spaces, ensuring rapid deployment and effective fire suppression.

Available Sizes for Car Fire Blanket

6 X 8 Meter
6 X 9 Meter
8 X 10 Meter

Standard Colour: Grey
Thickness: 0.6 mm ± 0.05 mm





How To Operate With Simple Steps

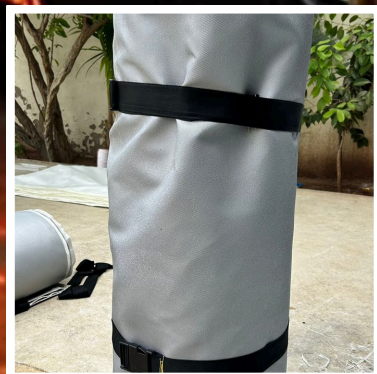
Step 1: Unfold the blanket in front of or behind the Vehicle/burning object.

Step 2: Grab the handles in the corners, and pull over the blanket in one movement.

Step 3: Wrap the blanket tightly around the car to reduce the supply of oxygen, make sure there are no any spec for air.

Step 4: Leave in same position for at least 30 minutes.

Step 5: After Getting cold, rains with Water to get clean and store back for reuse if Its not Damaged.



Benefits of Using Signature Car Fire Blanket

The Signature Car Fire Blanket provides exceptional safety and reassurance. This cutting-edge blanket rapidly suppresses fires, ensuring the well-being of occupants and safeguarding valuable assets. Its user-friendly design, compact size, and environmentally responsible composition make it an outstanding solution for vehicle owners.

- Rapidly suppresses fires
- Ensures occupant safety
- Space-saving and portable
- Environmentally responsible
- Robust construction
- Economical solution



Material Construction & Performance

Parameters	DSZCFB0.6	DSZCFB0.8P
Working Temperature Starting Range	650 °C	1100 °C
Working Temperature Melting Point	950 °C	1760 °C
Weight of the Blanket	25 Kg	39 Kg
Material Strength	Good	Average
Material Thickness	0.6 mm	0.8 mm

Fireproof Tarpaulin

DSZSTP0.6



Signature Fireproof Tarpaulin is a specialized type of tarpaulin designed to provide protection against fire and heat. Made from high-quality, fire-resistant materials, these tarps are ideal for use in various applications where fire safety is a top concern.

Working Temperature Range: 550 °C to 900 °C

Color: Silver Grey

Other Thickness: 0.5 mm, 0.6 mm

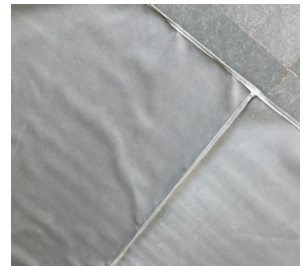
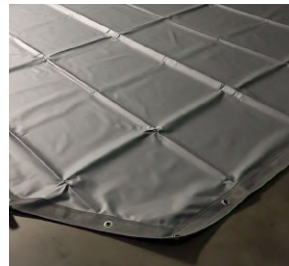
Size: Any customized size available.

Features and Benefits: Fire Resistance, Heat Insulation, Water Resistance, Durability, Easy to Clean.

Signature Fireproof Tarpaulin is a versatile solution for construction, Chemical Plants, Heavy industry, events, and marine sectors. It provides a reliable shield against fire, heat, and environmental factors, ensuring safety and protection. Its durability and water resistance make it an ideal choice for various applications and harsh conditions. Its also Flame Proof Material for Industrial Applications.

Lithium Battery Cover

DSZLBC0.6



Signature Lithium Battery Cover is a specialized protective covering designed to encase lithium-ion batteries, providing a safe and reliable barrier against external factors that could potentially damage the battery or cause a thermal runaway event.

Working Temperature Range: 1100 °C to 1700 °C

Color: Silver Grey

Other Thickness: 0.8 mm Or 1.3 mm

Size: Any customized size available.

In thermal runaway, the cover helps to contain the fire and prevent it from spreading to other components.

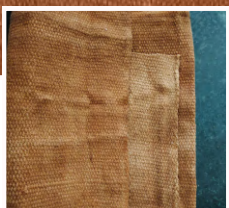
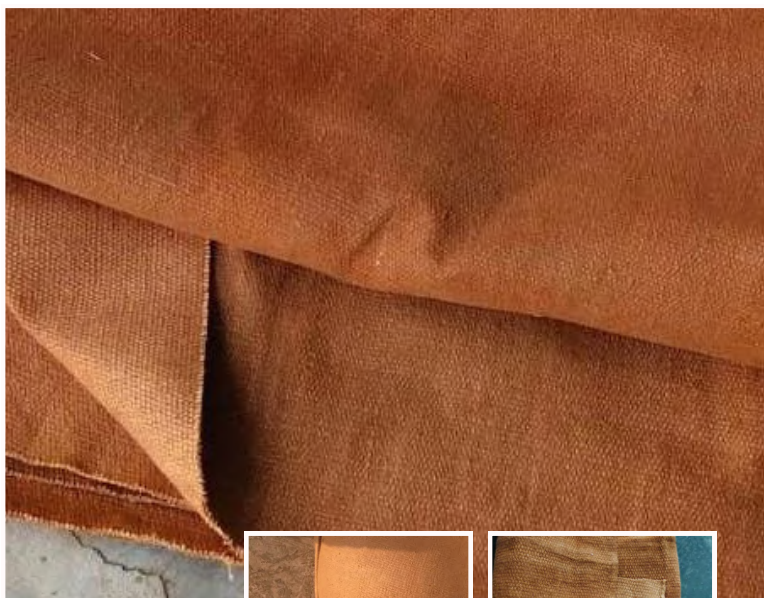


Our Signature Lithium Battery Cover plays a critical role in ensuring the safe and reliable operation of lithium-ion batteries in a wide range of applications in Electric Vehicles, Thermal Protection, Mechanical Protection, Aerospace, Consumer Electronics, Renewable Energy Sectors.



Welding Blanket

DSZVCF2.8



Signature Vermiculite Coated Ceramic Welding Blanket features a high-performance vermiculite formulation (10-12%), optimized for efficient molten metal slag collection. As a superior substitute for asbestos-based textiles, this innovative material exhibits enhanced thermal stability, reduced thermal conductivity, and exceptional dielectric strength.

Working Temperature Range: 1260 °C to 1760 °C

Color: Brown

Other Thickness: 2.8 mm

Weight: 1100 GSM Fabric

Coating: Vermiculite

Size: 1 X 2 Meter, 2 X 2 Meter, 3 X 3 Meter, or any customized size available.

Roll Form: 1 X 30 Meter

Medium Duty Welding Blanket

DSZMDWB2.4

Our Vermiculite Powder Coated Medium Duty Blankets offer exceptional protection against welding sparks and spatter. Made From Premium Quality Fireproof Fabric, Designed for high-temperature applications, these blankets perform optimally within a temperature range of 800°C to 1000°C.

Thickness: 2.4 mm

Weight: 1300 GSM

Colour: Light Brown

Size: 1 X 2 Meter, 2 X 2 Meter, 3 X 3 Meter, or any customized size available.

Coating Type: Vermiculite Powder

Non-metallic construction, ideal for electrical applications





Fiberglass Fabric

DSZFG0.6

Woven From 100% E Glass Yarn

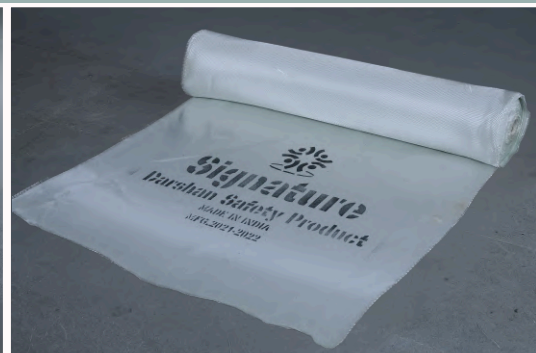
Fiberglass is a material consisting of numerous extremely fine fibers of glass. Fabric is formed when thin strands of silica-based or other formulation glass is extruded into many fibers with small diameters suitable for textile processing. These are useful because of their high ratio of surface area to weight. However, the increased surface area makes them much more susceptible to chemical attack.

All Forms Of Fiberglass Textiles

Use Of Application

E-Fiberglass fabric has a wide range of applications across various industries. In industrial settings, it is used for electrical insulation in motors, generators, and transformers, as well as thermal insulation in buildings, pipes, and equipment. Its chemical resistance also makes it suitable for use in chemical plants, laboratories, and other industries.

- **Electrical Insulation:** Fiberglass fabric is widely used as electrical insulation in motors, generators, and transformers.
- **Thermal Insulation:** Its high thermal resistance makes it an ideal material for thermal insulation in buildings, pipes, and equipment.
- **Chemical Resistance:** Fiberglass fabric is resistant to many chemicals, making it suitable for use in chemical plants, laboratories, and other industries.
- **Automotive Components:** Fiberglass fabric is used in the manufacture of automotive components, such as engine covers, fuel tanks, and body panels.
- **Marine Components:** Its resistance to water and corrosion makes it an ideal material for marine components, such as boat hulls, decks, and superstructures.



Standard Parameters

Temperature Range:

600 °C to 900 °C

Available Thickness:

0.2 mm, 0.3 mm, 0.4 mm, 0.5 mm, 0.6 mm, 0.8 mm,
1.0 mm, 1.2 mm, 1.5 mm, 2.0 mm, 2.5 mm, 3.0 mm

Roll Width:

500 mm, **1000 mm**, 1270 mm, 2000 mm

Roll Length:

25 Meter, 30 Meter, **50 Meter**, **100 Meter**, 200 Meter

Approved Standard

BS EN 1869:2019,
IS 11871 (Method A & B),
IS 15381, IS 1969, IS 3442,
ASTM D 3775,
ISO 9001:2015 , CE





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Aluminum Coated Fiberglass Fabric

Aluminum Coated Fiberglass Fabric has good heat reflective properties and good resistance to solvents and corrosive liquids which is used in bellows, Heat shields, sleeves, Air conditioning etc.

Working Temperature Range: 550 °C To 900 °C

Color: Silver

Other Thickness: 0.18mm, 0.2mm, 0.3 mm, 0.5 mm

Type: Fiberglass Fabric

Coating: Aluminum Foil & Film

Roll Size: 1 X 50 Meter or any customized size available.



Graphite Coated Fiberglass Fabric

This is a specialized material that combines the benefits of fiberglass fabric with the unique properties of graphite. Its providing excellent lubricity and conductivity.

The graphite coating provides a low-friction surface, reducing wear and tear on moving parts and making it easier to slide or move objects.

Working Temperature Range: 550 °C To 900 °C

Color: Black

Other Thickness: 0.2mm, 0.5 mm, 0.6 mm, 0.8 mm, 1.0mm, 1.5 mm, 2.0 mm, 2.5 mm, 3.0 mm

Coating Type: Conductive & Non Conductive

Roll Size: 1 X 50 Meter or any customized size available.



Vermiculite Coated Fiberglass Fabric

Vermiculite Coated Fiberglass Fabric offer exceptional protection against welding sparks and spatter. Made From Premium Quality Fiberglass Yarns, Designed for high-temperature applications.

Working Temperature Range: 800 °C to 1000 °C.

Thickness: 2.4 mm

Weight: 1300 GSM

Colour: Light Brown

Size: 1 X 30 Meter

Coating Type: Vermiculite Powder

Reinforcement: Non-metallic Fabric



Fiberglass Tape

DSZFTP3.0 & DSZFTP5.0



Our Fiberglass Tape is a high-performance, narrow cloth strip engineered for exceptional durability and thermal resistance. Made from twisted strands of fiberglass woven at right angles, this tape boasts the highest glass-to-resin ratio and strength among all fiberglass materials.

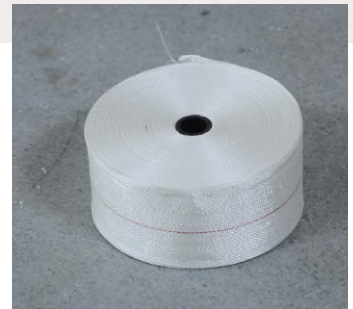
Working Temperature Range : 550 °C to 900 °C

Available Width: 25 mm, 50 mm, 75 mm, 100 mm

Thickness: 3.0 mm, 5.0 mm

Use of Application

- Bolstering electrical insulation on motor coils in high-temperature
- Stove door seals
- Oven and stove insulation
- Blast furnace insulation
- Thermal protection of electrical wires
- Exhaust pipe wrapping



Our Signature Fiberglass Rope combines exceptional flexibility with outstanding thermal resistance. Expertly braided from high-quality fiberglass yarn, this rope is available in diameters ranging from 6 mm to 50 mm, with customized sizes also available.

Working Temperature Range : 550 °C to 900 °C

Available Size: 6,8,10,12,16,19,25,32,38,50 mm

Shape: Round & Square

Coil Size: 5 Kg, 10 Kg, 25 Kg

Use of Application

- Industrial heat protection and insulation
- Electrical insulation and high-temperature wiring
- Aerospace and automotive thermal protection
- Industrial ovens and furnaces
- Marine applications
- Fire-resistant barriers and sealants





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Signature Silicone rubber compounded in special formula is applied to coat or impregnate on one side or both sides of Signature fiberglass fabrics, for use in applications where require heat resistance, spark safety, chemical resistance, or abrasion resistance. The operating temperature is from -50°C to + 600°C normally. Due to its good performance on heat resistance, weatherproof, moisture proof, and chemical resistance to acid, alkali, and also good flexibility with abrasion resistance, our Signature silicone coated fiberglass fabrics are fabricated and used directly for the following...

Use Of Application

- Removable or reusable insulation jackets, mattress and pads
- Fabric expansion joints and compensators
- Fabric ductwork connector
- Furnace curtains, welding curtains, welding and fire blankets
- Protective air cargo covers
- Noise control barriers
- Weather-proof or moisture-proof covers
- Firefighting apparel

Parameters

- Thickness: 0.4 mm, 0.5 mm, 0.6 mm, 0.8 mm, 1.0 mm, 1.2 mm, 2.0 mm, 3.0 mm
- Color: Grey, Red, Black
- Weave: Plain, Satin
- Size: 1 X 50Meter
- Conductive : No

Benefits of Silicon Coated Fiberglass Fabric

Heat Resistance: Withstands extremely high temperatures

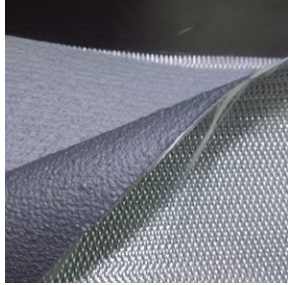
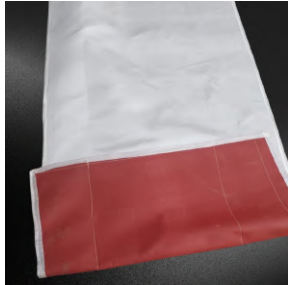
Durability: Resistant to wear and tear, abrasion, and chemicals

Waterproof: Excellent waterproof and weather-resistant properties

Easy Maintenance: Smooth, non-stick surface for easy cleaning

Cost-Effective: Competitive price-to-performance ratio

Long Lifespan: Reduces maintenance and replacement costs



Single Side Silicon Coated Fiberglass Fabric

Coating: Silicon coating is applied to only one side of the fabric.

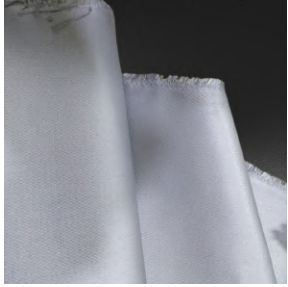
Applications: Suitable for applications where the coated side faces the heat source or external environment

- 1. Heat shields
- 2. Welding blankets
- 3. Fireproof blankets
- 4. Insulation materials

Benefits:

- Cost-effective compared to double-side coated fabric
- Suitable for applications where only one side needs to be protected

Parameters	Single	Double
Weight	Lighter	Heavier
Thickness	Thinner	Thicker
Flexibility	More flexible	Less flexible
Cost	Cost-effective	more expensive
Waterproof	Semi	Full
Itching	Yes	No



Double Side Silicon Coated Fiberglass Fabric

Applications: Suitable for applications where the coated side faces the heat source or external environment

- 1. Seals and gaskets
- 2. High-temperature bags
- 3. Insulation materials for extreme temperatures
- 4. Fire-resistant barriers

Benefits:

- Provides enhanced protection and durability
- Suitable for applications where both sides of the fabric are exposed to heat or external environment



Approved Standard IS 11871

The Signature Non-Asbestos Blanket is a high-performance solution designed for extreme temperature applications. This blanket boasts an effective temperature range of 1100°C to 1760°C, without deterioration or formation of cristobalite structure. Its excellent chemical resistance and electrical insulation properties make it an ideal choice for protecting against extreme temperature environments.

The Signature Non-Asbestos Blanket is a high-performance solution for extreme temperature applications, Heavy Duty Welding Works, Gas and Arc Welding Applications offering unparalleled protection and durability.

The Signature Non-Asbestos Blanket is crafted from a silica material with a high weight of 96%, making it perfect for opposition to very elevated temperatures and flames. Its construction features a 12H Satin weave, 1.4 mm thickness, and 1200 GSM weight, with a golden color and eyelets per meter. The edges are stitched with fiberglass tape for added durability.

Available Sizes for Fire Blanket:

1 X 1 Meter

1 X 2 Meter

1.8 X 1.8 Meter

2 X 2 Meter

Any Other Customized for Industrial Applications

Standard Thickness: 1.4 mm $\pm$ 0.05 mm

Another Thickness : 0.8 mm $\pm$ 0.05 mm

Key Features

- Effective temperature range: 1100°C - 1760°C
- Excellent chemical resistance and electrical insulation properties
- Suitable for extreme temperature environments
- Durable and long-lasting construction
- Material: with 96% high Silica Content

Versatile applications

Insulation, Padding, Lagging, Cooking covers, Flame Shields, and High-Temperature Smoke Monitoring Equipment.





High Silica Fabric

100% Itching Free ; 100% Non Asbestos

High Silica Fabric is a specialized material made from inorganic fiberglass fabric with an exceptionally high SiO₂ content of over 96% after calcification. Through acid treatment and calcination, resulting in a material with a higher softening point and density. This unique fabric is perfect for applications that require resistance to extremely high temperatures and flames, making it an ideal choice for various industries.

With its 12H Satin weave construction, High Silica Fabric is available in two thicknesses, 0.8 mm and 1.4 mm, and two weights, 900 GSM and 1200 GSM, with a distinctive golden color. Its standard width is 1000 mm, and it is supplied in 50-meter rolls. Overall, High Silica Fabric offers a unique combination of flexibility, high strength, and stable physical and chemical properties, making it a valuable material for various applications.

Use Of Application

- 100% non-asbestos
- 100% itch-free
- High thermal stability
- Excellent flame retardancy
- Enhanced durability
- Resistance to thermal shock



Overall, High Silica Fabric offers a unique combination of performance, safety, and reliability, making it an excellent choice for demanding industrial applications.

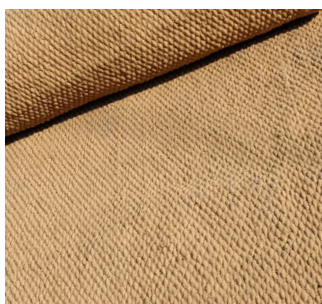


Signature Wet Processed Welding Blanket

100% Itching Free - Vermiculite Coated

A Signature Wet Processed Welding Blanket is a type of heat-resistant blanket designed to protect personnel, equipment, and surroundings from heat, flames, and sparks generated during welding, cutting, and other high-temperature processes. Vermiculite Coating is a mineral that expands when heated, vermiculite provides additional insulation and fire resistance. When exposed to heat, vermiculite expands into a lightweight, porous structure that traps air and reduces heat transfer.

This Wet-processed welding blankets are an essential safety tool in various industries, providing reliable protection against heat, flames, and sparks. Their unique combination of materials and manufacturing process makes them an effective solution for high-temperature applications.



Steps to Follow

1. Open Blanket, Lay down on Floor
2. Sprinkle some Normal Water on Blanket
3. Make Sure Blanket Equally Wet
4. Start Welding Process with 2 Layers Initially if you are Using for Heavy Welding.
5. If its only Spatters while Welding , 1 Layers is Enough.

Available Sizes for This Welding Blanket

1 X 2 Meter	5 X 5 Meter	10 X 12 Meter	Roll Form : 1 Meter X 30 Meter Weight : 1700 GSM Standard Color: Light Brown Standard Thickness: 4.0 mm $\pm$ 0.5 mm
2 X 2 Meter	6 X 6 Meter	12 X 12 Meter	
3 X 3 Meter	6 X 10 Meter	15 X 15 Meter	
4 X 4 Meter	10 X 10 Meter	20 X 20 Meter	

Once Welding Works Completed, Let Dry the Blanket and Use a dull tool like a scraper, putty knife, or a stiff-bristled brush to gently scrape off any excess spatter. Be careful not to scratch the blanket. Refold in Roll Form to Reuse of the Same Blanket if its not Damaged.



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Signature Ceramic Fiber Fabric is A Woven Fabric Made From Our High Quality Alumina Silica Fibers And Especially Mechanically Needed For Increased Tensile Strength And Surface Integrity In Form Of Ceramic Fiber Yarn. It Is Strong, Lightweight, Flexible, And Available In A Wide Variety Of Thicknesses, Widths And Lengths. This Fabric Can Be Used For High Temperature Applications Up To 1760 °C. The Cloth Is Reinforced With Fiberglass Filament, And Optional Inconel/alloy Steel Wire. This Fabric is Ideal for high-temperature applications without deterioration or formation of cristobalite structure.

Use Of Application

- Heat shields for aircraft and spacecraft
- Thermal protection for missile systems and propulsion units
- Insulation for high-temperature components and equipment, pipes and ducts in power plants, reactors, vessels, furnaces, kilns, and reactors
- Protecting equipment and components from heat damage, corrosion and chemical attack
- Reducing heat loss and energy consumption
- Thermal management in energy storage systems, such as batteries and fuel cells, protection for personnel and equipment, metal casting and glass manufacturing.

Benefits of Ceramic Fiber Fabric

- Unparalleled thermal insulation and chemical stability
- Resists thermal shock, corrosion, and abrasion
- Ideal for high-temperature applications in harsh environments
- Effective at steady-state temperatures up to 1100°C and short-term exposure up to 1700°C

Parameters

- Available Thickness: 2.0 mm, 3.0 mm
- Weight : 1000 GSM
- Color: White
- Weave: Plain
- Size: 1 X 30 Meter
- Reinforcement: SS Metallic Soft Wire
- Conductive : Yes

Industry Type

- Aerospace and Defense
- Power Generation and Energy Storage
- Chemical Processing and Petrochemicals
- Industrial Heat Shields and Thermal Protection
- High-Temperature Refractory and Insulation Applications



Vermiculite Coated Ceramic Fabric

Signature Vermiculite Coated Ceramic Fabric features a high-performance vermiculite formulation (10-12%), optimized for efficient molten metal slag collection. As a superior substitute for asbestos-based textiles, this innovative material exhibits enhanced thermal stability, reduced thermal conductivity, and exceptional dielectric strength.

Working Temperature Range: 1260 °C to 1760 °C

Color: Brown

Other Thickness: 2.8 mm, 3.2 mm, 4.5 mm

Coating: Vermiculite Powder

Roll Size: 1 X 30 Meter or any customized size available.



Graphite Coated Ceramic Fabric

This is a specialized Fabric that combines the benefits of Ceramic fabric with the unique properties of graphite. Its providing excellent lubricity and conductivity. The graphite coating provides a low-friction surface, reducing wear and tear on moving parts and making it easier to slide or move objects.

Working Temperature Range: 1260 °C To 1760 °C

Color: Black

Other Thickness: 3.0 mm

Coating Type: Conductive & Non Conductive

Roll Size: 1 X 30 Meter or any customized size available.



Non Metallic Ceramic Fabric

Non-Metallic Ceramic Fiber Fabric is a cutting-edge, high-temperature resistant fabric engineered for exceptional performance in extreme thermal environments. Crafted from premium ceramic fibers, this innovative cloth delivers unparalleled thermal insulation, chemical stability, and durability, Reinforced by Fiberglass Filament.

Working Temperature Range: 1260 °C to 1760 °C.

Thickness: 3.0 mm

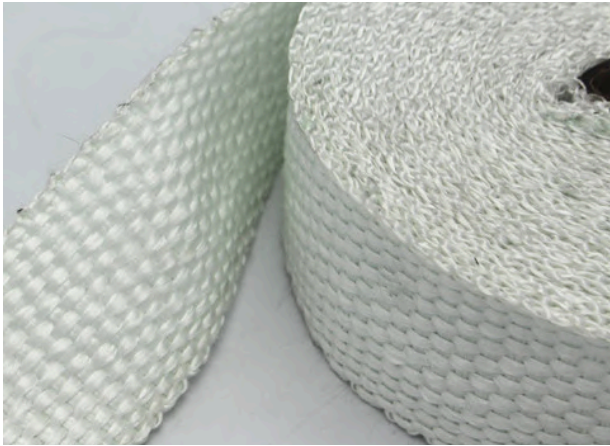
Weight: 1000 GSM

Colour: White

Size: 1 X 30 Meter



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Ceramic Fiber Webbing Tapes are high-performance, thermal barriers designed for demanding high-temperature applications. Fabricated from advanced 1260°C grade ceramic fibers, these tapes exhibit outstanding heat resistance, resilience, and pliability. The intricate netting pattern facilitates seamless installation and maximizes efficiency.

These adaptable tapes are utilized in diverse high-heat settings, including furnace and boiler insulation, pipe wrapping, and hose and cable safeguarding. They play a critical role in industries such as metalworking, smelting, and marine construction, where dependable thermal protection is crucial.

Working Temperature Range : 1260 °C to 1760 °C
Available Width: 25 mm, 50 mm, 75 mm, 100 mm
Thickness: 3.0 mm, 5.0 mm
 SS Metallic & Non Metallic



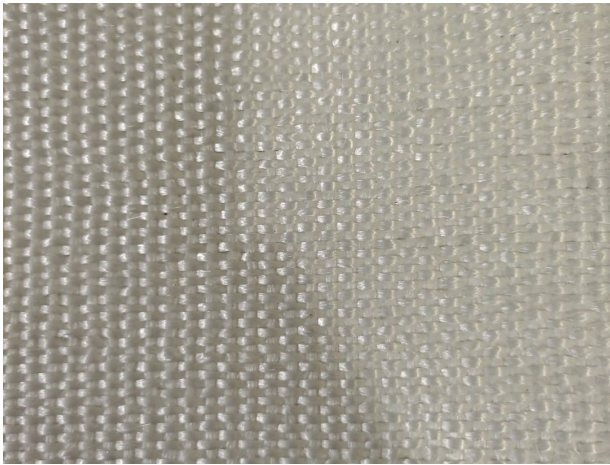
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We specialize in manufacturing high-quality Ceramic Fiber Rope, expertly designed for extreme temperature applications. Our ropes are crafted from advanced ceramic fibers, which are carefully spun and reinforced to enhance tensile strength at elevated temperatures. The addition of organic carriers improves physical form stability, ensuring optimal performance.

Working Temperature Range : 1260 °C to 1760 °C
Available Size: 6,8,10,12,16,19,25,32,38,50 mm
Shape: Round & Square
Type: SS Metallic & Non Metallic
Coil Size: 5 Kg, 10 Kg, 25 Kg

- Furnace and boiler insulation,
- Pipe and tubing insulation
- Heat exchanger insulation
- Refractory and ceramic industry
- Automotive and marine industries





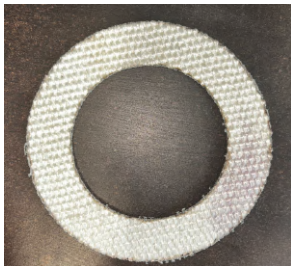
Our Fiberglass Gasket Sheet is a high-quality, non-asbestos gasket material designed for sealing applications in various industries. Made from a combination of E fiberglass and binder, this sheet provides excellent thermal insulation, chemical resistance, and durability.

Applications:

- Industrial equipment and machinery
- Chemical processing and petrochemical industries
- Power generation and transmission
- Automotive and aerospace industries
- HVAC and plumbing systems

Key Features:

- Temperature range: -40°C to 550°C (-40°F to 1022°F)
- Non-asbestos and non-toxic
- Easy to cut and fabricate
- Compliant with industry standards



Our ceramic fiber gaskets Sheets are high-temperature sealing solutions designed for extreme environments. With a temperature range of 1260 °C to 1760°C, these gasket Sheets are ideal for use in furnaces, kilns, heat exchangers, and other high-temperature applications.

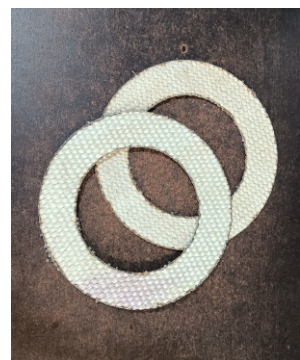
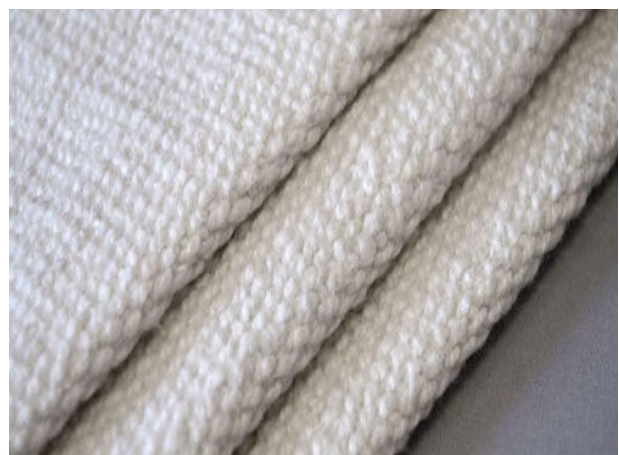
Made from high-purity ceramic fibers used, such as alumina, silica, or zirconia, our gaskets offer excellent chemical resistance, low thermal conductivity, and exceptional durability. Available in 3.0 mm thicknesses, 1 Meter widths and roll length of 30 Meters, our ceramic fiber gaskets can be customized to meet specific application requirements.

Applications:

- Furnaces and kilns
- Heat exchangers
- Aerospace and defense
- Chemical processing and petrochemical industries
- Industrial equipment and machinery

Key Features:

- High-temperature resistance up to 1260°C
- Excellent chemical resistance
- Low thermal conductivity
- High durability and long service life
- Customizable to meet specific application requirements
- Compliant with industry standards



Suit Consist of

- Two Piece coat pant Full Set.
- A hood with visior and inbuilt HDP Helmet.
- A Pair of Five Finger Glove.
- A boot with leather lining, Anti-skid design Neoprene rubber sole, Zip fastener, Size of the boot 7, 8 or 9 and height will be Approximately 7".
- Complete Suit Stitched with heat resistant Kevlar thread.

Weight:

Weight of Complete suit Will be Approximately 8 to 10 KG.

Temperature Range:

It will withstand Radiant Heat of 600 °C to 800 °C.

Use of Application:

A Fire Proximity Suit is a critical piece of protective equipment that allows firefighters and emergency responders to operate safely in extreme heat environments. Designed to withstand intense radiant heat, these suits enable users to approach fires, industrial furnaces, and other high-temperature sources without risking severe burns.

By providing unparalleled protection from heat radiation, Fire Proximity Suits play a vital role in rescue operations, firefighting, and industrial applications. Whether responding to a blazing inferno or working near high-temperature equipment, these suits are essential for ensuring the safety and well-being of personnel.



Layers	Outer Layer	Second Outer	Middle Layer	Inner Layer	Innermost Layer
2 Layers	Aluminized Glass Fiber Fabric	NA	NA	NA	Flame Retardant cotton Fabric
3 Layers	Aluminized Glass Fiber Fabric	NA	Woolen Thermal Lining	NA	Flame Retardant cotton Fabric
4 Layers	Aluminized Glass Fiber Fabric	NA	Woolen Thermal Lining	Neoprene Steam Vapor Barrier	Flame Retardant cotton Fabric
5 Layers	Aluminized Glass Fiber Fabric	PTFE Coated Fiberglass Fabric	Woolen Thermal Lining	Neoprene Steam Vapor Barrier	Flame Retardant cotton Fabric



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Material: Aluminized fiberglass

Thickness: 1.0 mm

Size: 24" x 36" (610 mm x 914 mm)

Weight: 1.2 kg (2.6 lbs)

Color: Silver

Our Aluminized Apron is a top-of-the-line, heat-resistant protective garment specifically designed for workers in foundries, steel mills, and other high-temperature environments. Engineered with safety and durability in mind, this premium apron is crafted from a heavy-duty aluminized fiberglass material that provides unparalleled protection against radiant heat, sparks, and molten metal splashes.

The aluminized coating reflects radiant heat, reducing the risk of burns and discomfort, while the fiberglass base offers exceptional strength, durability, and resistance to heat degradation.

With its adjustable neck strap and waist straps, this apron ensures a secure, comfortable fit for workers of all sizes. Whether you're working in a foundry, steel mill, or other high-heat industry, our Aluminized Apron is the ultimate safeguard for your safety and well-being.

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Our Signature Aluminized Coat with Full Sleeves is a premium, heat-resistant protective garment designed for workers in extreme high-temperature environments. Made from a heavy-duty aluminized fiberglass material in Outer Layer and Cotton Bases Fabric in Inner Layer, this coat provides unparalleled protection against radiant heat, sparks, and molten metal splashes.



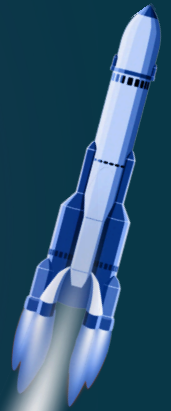
The aluminized fiberglass material provides excellent radiant heat protection, while the full sleeves offer comprehensive protection for the wearer's arms. Adjustable cuffs, hem, and neck strap ensure a secure, customizable fit. Additionally, the coat's durable and long-lasting construction guarantees extended wear and tear.

- **Material:** Aluminized fiberglass
- **Thickness:** 1.0 mm
- **Size:** Free Size
- **Weight:** 2.5 kg
- **Color:** Silver



Darshan Safety zone's

BUSINESS ROADMAP



Stage 1
Company Started From Home with Monthly Turnover of 3 Lakhs

2012

Stage 2
First Office Opening of 200 sq.ft Area

2015

Stage 3
First Factory Opening At Lalpur, Ahmedabad of 18000 Sq.Feet Area

2017

Stage 4
Started Exporting and tie-up with Government Sectors

2018

Stage 5
Expand Office Area with Professional Staff and Advanced Cyber Systems

2021

Stage 6
Expanded Factory Area up to 36000 Sq. Feet and Installed Advanced Machineries, New Warehouse Unit

2024

Stage 7
Entering in Corporate Office with Staff over 50 Peoples and Monthly Turnover of 3 CR

2025



*Signature*TM
A Darshan Safety Product

The Brand Owned By Darshan Safety Zone, "Signature A Darshan Safety Product" Is Already A Name To Trust And Reckon With Globally. Signature Products Are Appreciated For Quality Par Excellence And Affordable Prices. We Have A Vision To Earn A Reputation For our Brand, Signature That Would Be Synonymous With Comfort, Quality, Utility And Safety.

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