



# C. K. ASSOCIATES

## INTRODUCTION :

C. K. ASSOCIATES is a leading supplier of Refractory & Thermal Insulation materials, Foundry Fluxes & Chemicals, Coatings & Paints and Combustion System. Since past two decades we have been tendering our services in and around this territory. Presently, the company cover numerous products required in heat and fire applications & metallurgical purposes. We deal in the products which are the No. 1 brands in India.

## We are the Channel Partners cum Authorised Stockists of :

**M/s. TRL Krosaki Refractories Limited**



**M/s. Murugappa Morgan Thermal Ceramic Fiber Limited**



## We are also the dealers of



**M/s. ROXUL ROCKWOOL**  
Thermal Insulation India Pvt. Ltd.



VESUVIUS

**M/s. Vesuvius India Ltd.**



**M/s. WESMAN Thermal**  
Engineering Processes Pvt. Ltd.



**M/s. Foseco India Ltd.**

Apart from supplying products as per customers' requirements, with the experience of 20+ years and support of expert engineers of the world class manufacturers', we provide technical assistance for product selection best suitable for the application / equipment, energy saving solutions and refractory design, if required, based on the inputs provided by the customer as per our questionnaire on equipments and process details.

## **Our products are widely used in the industries like :**

Iron & Steel, Cement, Copper, Aluminium, Foundries, Glass & Ceramics, Chemicals, Pharmaceuticals, Fertilizers, Waste Treatment Plants, Rolling Mills, Heat Treatment, Sugar, Automobile, Power & Energy, Petrochemicals, Textile, etc.

## **Applications:**

Boilers / Thermic Fluid Heaters / HAG / HGG / Incinerators

Induction Furnace / Electric Arc Furnace / Ladle / Ladle Refining Furnace / Coke Oven / Tundish Annealing Furnace / Bogie Hearth Furnace / Reheating Furnace / SR Furnace.

Cement Kiln / DRI Kiln / Ceramic Kiln / Lime Kilns / Rotary Kilns

Glass Furnace / Blast Furnace / Frit Furnace

Industrial Chimneys

Piping Insulation & refractory

And many more.....

## **C. K. ASSOCIATES firmly follow :**

Ethical Business Practices

Stringent Quality Parameters

First Rate Service

Customer Satisfaction

We look forward to your fruitful business association.

Thank You

**Team C. K. Associates**

**FIRE CLAY & HIGH ALUMINA BRICKS**



Fire Clay & High Alumina products ranges from 30 to 99% Al<sub>2</sub>O<sub>3</sub> content.

- Dense Fire Bricks & High Alumina Bricks upto 99% Alumina.
- Phosphate bonded Hi Alumina Bricks for Aluminium melting furnace and Incinerators.
- Special quality Hi Alumina Bricks for CFBC Boilers & ARC Furnace.
- Special quality Hi Alumina Bricks for BF & Stoves including Chequers.
- Special quality Hi Alumina Bricks for Anode Baking Furnace.
- Fire Clay & Hi Alumina Bricks for Non Recovery Coke Oven.
- Mullite Bricks. Zircon and Zircon-Mullite Bricks.
- Alumina Chrome Bricks & Alumina Spinel Bricks.
- Hi-Alumina checker blocks for Regenerator of Glass Tank Furnace.

**Product Specifications will be provided on request.**

- Magnesia, Mag-Chrome and Chrome-Mag for general usages. Low Iron, low porosity and spall-resistant magnesia bricks for Glass Industry and other special applications in steel industry
- Direct bonded Magnesia Chrome Bricks for secondary steel making units, non ferrous industry and glass industry.
- Mgo Based checker blocks for Regenerator of Glass Tank Furnace.

**Product Specifications will be provided on request.**

**BASIC BRICKS**



**MAGNESIA - CARBON BRICKS**



- Wide range of Mag-Carbon Bricks with S-20% carbon of BOF, EAF & Steel Ladle.
- Wide range of Alumina Magnesia Carbon Bricks for Steel Ladle.

**Product Specifications will be provided on request.**

- Normal Silica for general purpose.
- Super duty Silica with low flux factor for glass tank furnace.
- Coke Oven Silica as per international specifications.
- Fused Silica Bricks & Silica Insulating Bricks.

**Product Specifications will be provided on request.**

**SILICA BRICKS**



TRL ROSAKI  
DOLOMITE BRICKS



- Pitch & Resin bonded Dolomite and Mag-Dolo Bricks
- Burnt Dolomite Bricks & Mag-Dolo Bricks for Stainless Steel & Cement Industry.

Product Specifications will be provided on request.

TRL ROSAKI

FLOW CONTROL PRODUCTS

- Slide Gate Refractories in magnesia, magnesia-spinel-carbon, alumina-carbon, alumina-zirconia-carbon and alumina-spinel-carbon quality with all suitable accessories including special type high alumina mortars, ramming mass, etc. These can be supplied in different design and shapes for all types of slide gate system.
- Gas Purging refractories in high alumina, basic, alumina-chrome and directional porous plugs in high alumina quality upto 96% Al<sub>2</sub>O<sub>3</sub> for longer purging time in ladles. Porous plug in basic and high alumina quality with M.S./S.S. casing alongwith seating block & sleeves.
- Continuous casting refractories like zircon/zirconia nozzles (65 to 95% ZrO<sub>2</sub>) for slab bottom & billet casting, tundish seat block, etc.

Product Specifications will be provided on request.

TRL ROSAKI  
FLOW CONTROL



TRL ROSAKI  
RAMMING MASS



RAMMING MASS

- **Basic Ramming Mass for Induction Furnace**  
TRL RAM LM X  
TRL RAM LM (C) X  
TRL RAM LM (C) X PREMIUM  
TRL RAM M84  
TRL RAM LM (CA) X  
TRL TOP LM (C) X
- **Basic Patching Mass – TRL PATCH LM (C) X**
- **Acidic Ramming Mass for Induction Furnace**  
TRL RAM SK – 185 (Quartz base)  
TRL RAM SK – 165 (Quartzite base)
- **Coil Coat for Induction Furnaces**  
TRL CAST AH-90 COIL COAT – bauxite base  
TRL COAT – M - Magnesite base

Product Specifications will be provided on request.



## MONOLITHICS & MORTARS - "TRL K ROSAKI"

- Fire Clay & High Alumina Mortars both Air Setting & Ceramic Setting
- Castables :35 to 96% Al<sub>2</sub>O<sub>3</sub>  
Medium purity Dense Castable (CAST FH series)  
High Purity Dense Castable (CAST AH series)  
Special quality Dense Castable (Mizzou, Kruzite, MC-25)  
Tabular Alumina based Castable (GEENCAST- 94, GREENCAST-97)
- Low Cement Castables (CAST LC series)
- Ultra Low Cement Castables (ULTRAGREEN)
- Synthetic Alumina & Mullite based special Castables for CFBC Boilers (CAST HF series)
- Special quality Low & Ultra Low Cement Castables (GREENKLEEN-60 PLUS, ULTRAGREEN 80 AL, GREFCON 98 SP, GREFCON 98T)
- Mullite based Special Castables for DRI ( 4X, 5X, 6X)
- Insulating Castable – Medium Purity (INCAST-7, 9, 11, 13, 15)
- Insulating Castable – High Purity (INCAST-8S, 10S, 11LI, 13LI, 15LI)
- Special quality Insulating Castable – 'KAST-O-LITE" Series
- Special Insulating Castable – Non wetting to molten Aluminium – "GREENLITE – 45L"
- Gunning Castables (Dense, Low Cement & Insulating)
- Precast LC, ULCC shafts
- Magnesite (low iron, low silica, etc.), mag-chrome & chrome-mag mortars for laying respective bricks.
- Zircon Mortar, zircon-alumina plastic mass.
- Plastic Mass (60 – 90% Al<sub>2</sub>O<sub>3</sub>)
- Tap hole Clay for Blast Furnace

Product Specifications will be provided on request.



## CERAMIC FIBER BLANKETS – "MMTCL"

Offering Refractory Ceramic Fiber Blankets of M/s. Murugappa Morgan Thermal Ceramics Limited.

- CERAWOOL 1200 Blanket
- CERA 1260 Blanket
- CERACHEM 1425 Blanket
- FIREMASTER 1260 Blanket
- FIREMASTER ALU Blanket

Refractory Ceramic Fiber Blankets are available in roll form in a wide variety of densities and thickness. All Blankets are made from long refractory (Alumino- Silicate) fibers, binder free and are needled.

Product Specifications will be provided on request.



### SUPERWOOL BLANKETS

SUPERWOOL fiber is the most energy efficient fibrous insulation material; it can reduce energy losses without occupying more space or using increased mass.

- SUPERWOOL PLUS Blanket
- FIREMASTER 607 Blanket

Product Specifications will be provided on request.



### CERAMIC FIBER BOARDS

Ceramic Fiber Boards are rigid self-supporting insulating product manufactured from refractory fibers.

Types of Ceramic Fiber Boards :

- STD Board (1260 C)
- AZS Board (1400 C)
- S Board (1260 C)
- E Board (1100 C)
- HS 45 Board (1260 C) – High Strength
- SS 800 Board (1260 C) – High Strength
- M – 1600 Board (1600 C) – High Temperature
- L - 1600 Board(1600 C) – High Temperature

Product Specifications will be provided on request.



### CERAMIC FIBER MODULES

Ceramic Fiber Modules are made from high quality needled Blanket, Edge Staked (or) Folded with various anchors and other accessories to enable quick, convenient and efficient installation in most furnace lining.

Available types of Modules :

- Veneering 1260 C / 1425 C
- Saber bloc – I & II 1260 C / 1425 C
- Pyrofold "M" 1260 C / 1425 C
- Pyrobloc 1260 C / 1425 C
- Z – Bloc II & III 1260 C / 1425 C
- Convoluted 1260 C / 1425 C
- Strip Modules 1260 C / 1425 C
- Edge grain Modules 1260 C / 1425 C

Product Specifications will be provided on request.



### CERAMIC FIBER TEXTILES

CLOTH/ TAPE are woven from Ceramic Fiber Yarn and reinforced with Fiberglass / SS wire.

They are resilient, high temperature resistant and process excellent chemical stability.

Product Specifications will be provided on request.



## CERAMIC FIBER BULK

CERA / CERAWOOL - Refractory Fibers made from Alumina & Silica  
CERACHEM - Refractory Fibers made from Alumina, Silica & Zirconia.  
Product Specifications will be provided on request.



## CERAMIC FIBER ROPE

Twisted Ropes & High Density Ropes are made from Ceramic Fiber Yarn and reinforced with Fiberglass / SS wire.

Braided Ropes are made from Ceramic Fiber enclosed in a glass fiber braid or SS wire braid to give excellent handling strength.

Product Specifications will be provided on request.



## CERAMIC FIBER SHAPES

Ceramic Fiber Shapes are manufactured from refractory fibers. They are designed for use in application conditions requiring superior insulating properties combined with high rigidity and mechanical strength.

Product Specifications will be provided on request.



## CERAMIC FIBER TEXTILE SLEEVES

Ceramic Fiber Sleeves are made from Alumina-Silica Ceramic Fibers that are reinforced with an organic carrier fiber for added strength and stability, making them an excellent choice for industrial application.

Product Specifications will be provided on request.





#### KAOWOOL CERAMIC PAPER - 1260 / 1400

Kaowool 1260/1400 Paper is manufactured from high purity refractory fibres and designed for high temperature insulation.

These are used for applications like Insulating thermal break, Insulating Gaskets, Expansion joints, Parting media, etc.

Product Specifications will be provided on request.

#### CEMENT & COATING

Cement is manufactured specially to bind various fiber insulation products to each other or bind to other refractory insulation materials.

These are available in following two grades :

- MASTIC CEMENT: 1260 C**
- VENEERING CEMENT: 1450 C**

UNICOTE – M is a refractory coating material designed to provide a protective surface layer over ceramic fiber modules.

BLAKITE is refractory air setting mortars. These are normally supplied as read- to-use wet blends of finely-ground aggregates and special binders. Classification temp.. upto 1760 C

Product Specifications will be provided on request.



#### KAOWOOL PUMPABLES

Kaowool Pumpables are water base pliable, putty-like materials composed of high temperature ceramic fibers, organic polymers, inorganic binders and other proprietary ingredients. They are supplied premixed and ready to install from straight-sided 5 gallon pails using the HS-100 extrusion or similar pumps.

Product Specifications will be provided on request.



# C. K. ASSOCIATES

#### HEAD OFFICE :

863/3A, GIDC Estate, Makarpura, Baroda - 390010 (GUJARAT)

Contact : 9714755035, 9825160466, 9974059997, 9638754849

Email : ckshah\_co@hotmail.com, ckrefractories@gmail.com

