XAMZKO
CERAMI PVT LTD

XAMZKO CERAMI

Pvt. Ltd.,

Profile & Product Catalogue

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About Company

The Company XAMZKO CERAMI PVT LTD Was incorporated in the year 2023, at Coimbatore, Tamilnadan, India. XAMZKO is the pioneer and India's largest manufacturer of engineering company of Moulds and machines for use in foundry, green sand moulding practice, since 1990. We are the founder of exothermic sleeves Moulds, dies and machines. Founded by Mr. POOVENDRAN, a first-generation entrepreneur - In our history spanning 40+ years, with entire highly experience technical team as promoter of the company.

we have relentlessly focused on innovating both in product and application services in the green sand eco-system of iron foundries. We are instrumental in offering an outstanding range of Exothermic and Insulating Sleeves. Our range is ready to use and provided in prefabricated shapes as per the needs of our clients. These exothermic & insulating sleeves improve the casting yields simply by the use of smaller risers compared to sand risers. The use of these sleeves allows 70-90% of reduction in the conventional riser's weight. Furthermore, the incredible strength of these products helps to reduce breakages during handling and moulding. These products are acclaimed for their dimensional accuracy and uniform chemical composition.

Our basic policy has always been to deliver the finest products, at the fairest prices to customers. The company envisages an aggressive growth during the coming years in manufacturing foundry sleeves and chemicals in the local market and for exports. Our satisfied customers across the globe are our epitome of success.

Mainly we focused to deliver:

- low-cost applications
- Improved surface finish
- Reduced sand related casting defects
- Reduced consumption of sand additives
- Reduced machining cost
- Reducing damage and blow holes

We well known for their professional approach to customer's need for optimization of their system and processes in foundries.

Exothermic Sleeves

Exothermic riser sleeve, with low density, accurate size, good exothermic effect, which is suitable for the feeding of iron casting and steel casting. High performance to feed castings in iron, steel and all the alloys of these metals, moulded in sand and other systems. These features combine to deliver consistently high levels of feed performance, easy riser removal and reduced tendencies for under riser cracking over a broad range of casting applications. It can be inserted into the sand mould after modelling or matched with the sand core and put into the sand mould. It can effectively improve casting yields and enhance the density of casting, reduce the cleaning and welding repair work. These sleeves provide healthy pieces, without porosity and without reaction of the metal with the sleeve.

Type of moulding:

- Manual
- Pressure and shaking
- Blower/Shooter
- Sand blasting
- Blown by explosion or impact.

Molten metal:

- Steel (carbon, high and low alloy, stainless, Hadfield)
- Iron (Malleable, Nodular, Gray, high and low alloy)

TYPES OF EXOTHERMIC SLEEVES

- Cylindrical Tube - Open and Blind
- Neckdown
- Direct pour

Insulating Sleeves

Riser sleeves are insulating, lightweight riser sleeves used to efficiently feed steel castings. They are highly heat resistant and provide superior insulating characteristics. The use of riser sleeves increases casting yield by allowing smaller riser sizes than conventional sand risers and reduces cleaning costs.

Suitable for ferrous and non-ferrous metals (aluminium, bronze, ...)

TYPES OF INSULATING SLEEVES

- **Cylindrical Tube - Open and Blind**
- **Neckdown**
- **Direct Pour**

We have different compositions, exothermic and / or insulating, for each sleeve model. Ask us to know which one best suit your needs.

NECKDOWN SLEEVES

Round Neckdown Sleeves further reduce the riser casting contact size, minimizing the need for breaker cores. Neck down It eliminates the gas cutting of risers in Steel castings due to easy knock off of the riser. It carries good properties like insulating, Exothermic & refractoriness 1400-1500OC & carries sufficient strength. Also, risers can be located on a smaller area which can reduce or eliminate metal padding.

- **Highly insulating nature of materials used ensures no initial chilling of metal in the sleeves.**
- **High MEF – up to 1.6**
- **Application of these sleeves reduces the cost of casting by way of reducing rejections & also reducing the riser sizes required.**
- **High feeding efficiency.**

PARAMETER SPECIFICATION

- **Permeability AFS 20 - 45**
- **Bulk Density 0.4 to 0.6 g/cc**
- **Compression Strength Min. 6.5 kg/cm2**
- **Moisture at the time of packing 1% max.**

Direct pour insulating sleeves

These sleeves are available sizes from 40mm to 90mm dia. Direct pour sleeves are available with foam filters. Direct pour insulating sleeves is a newly developed, Prefabricated, Vacuum formed. it can be acts as one of the feeders and molten metal is directly poured into the sleeve.

- **Highly insulating nature of materials used ensures no initial chilling of metal in the sleeves.**
- **High MEF – up to 1.6**
- **Application of these sleeves reduces the cost of casting by way of reducing rejections & also reducing the riser sizes required.**
- **High feeding efficiency.**

PARAMETER	SPECIFICATION
Bulk Density	0.4 to 0.7 g/cc
Permeability	AFS 20 - 45
Compression Strength	Min. 6.5 kg/cm2
Moisture at the time of packing	1% max


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