



INNOVATIVE REFRACTORY
SOLUTIONS FOR

INDUCTION FURNACE STEEL MELTING

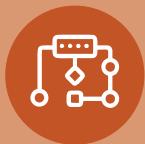


Speciality *Ceramics*

We together can make it special

Speciality Ceramics is a subsidiary unit of Arvind Ceramics located in Champa, Chhattisgarh. Arvind Ceramics established in the year 1997 is catering refractory solutions to various industries like Steel, Cement, Petrochemical, Powerplant, etc. As a part of offering innovative solutions to the foundry market, Speciality Ceramics is formed to cater Refractories, Ceramics and Chemicals for foundries across India and abroad. Speciality Ceramics has also invested heavily on new technologies and infrastructure to bring world class products to Indian market.

OUR FOUNDRY SOLUTIONS



Ramming Mix
& Coil Coat



Flow
Control



Laddle Lining
& Patching
Material



Coating
& Resins



Coated
Lancing Pipe



Foundry
Sand



Foundry
Flux



Inoculants

OUR KEY STRENGTHS

- More than two decades of experience in offering solutions.
- Wide product range for foundry customers.
- Fully automated production lines for delivering consistent quality.
- Highly skilled man power for offering custom solutions.
- Cost competitive products due to indigenous Research & Development.



OUR FOUNDRY PRODUCTS

Special Ram 87A12.1.0

- Neutral ramming mix.
- Suitable for steel melting.
- Both Acidic and Basic slag melting.
- Customized product available.



Special Mag Ram 1.0

- Basic ramming mix.
- Suitable for Manganese steel and Alloy steels.
- Chrome version available.
- Customized product is available.



Special Silica Ram 1.0

- Acidic ramming mix.
- Suitable for mild steel and iron melting.
- Customized product available.



Ladle Refractories

- High alumina castable.
- Plastic mixes and patching materials.



Foundry Flux

- Special foundry flux.
- Slag conditioners.
- Synthetics slag.



Other Products

- Coating and resins.
- Chromite and Zirconia sand.
- Inoculants.
- Spray Mass.
- Back Filling Mass.
- Alumina Bricks.
- Coil coat.
- Insulating Bricks.
- Ceramics coated lance.



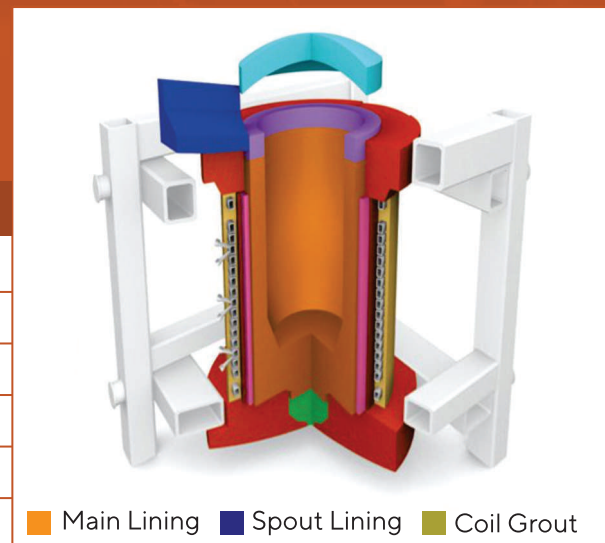
Flow Control Solution

- Stoppers.
- Nozzles.
- Nozzle filling compound.
- Tundish board.



KEY BENEFITS OF OUR LINING SOLUTIONS

- Increased life cycle compared to other lining materials.
- Flexibility including different metals (chemistry).
- Dephos operation in coreless induction furnace.
- More efficient Metal and alloy recovery.
- Increased productivity & furnace availability.
- Improved energy efficiency of the furnace.
- Safer operations.
- Possible to keep liquid heel in the furnace.
- Overall cost efficient and sustainable solution.

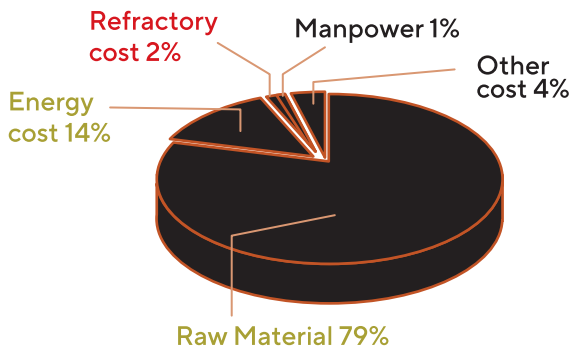


Application Area	Furnace Size	Products
Main Lining	<1MT	Special Ram 85A12 - 1.0
	1MT - >5T	Special Ram 85A12 - 1.0
	>5T	Special Ram 87A12 - 1.0
Spout Lining	All size	Special Cap 85A12 - 1.0
Coil Lining	All size	Special Grout A90 - 1.0
Flux	All size	Special Flux

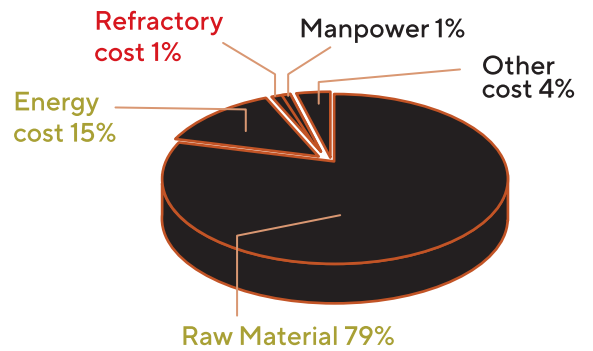
KEY PRODUCT VALUES

**Productivity | Alloy Savings | Metal Recovery | Safety
Labour | Metal Quality**

OUR TYPICAL VALUE PROPOSITION



Our Formula

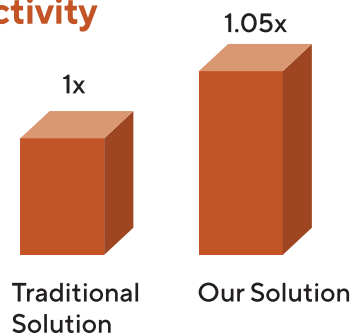


Traditional Formula

Summary

- Typical saving expected around ₹ 100-200/MT
- Productivity increases around 5-6%
- Improved safety & operation flexibility

Productivity



OUR SERVICES



Application and Monitoring



Coil Grouting



Speciality Ceramics
We together can make it special

Speciality Ceramics

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