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ABOUT US.

Tirupati Metachems (P) Ltd. is an Indian based ISO 9001:2015 certified company with a wide variety of specialties. We are manufacturer of Resin Coated Sand & Foundry Fluxes and Chemicals.

We serve the material needs of industries; we specialize in the manufacture of various grades of resin-coated sand for shell process to produce cores and molds for non-ferrous, ferrous, & steel casting industries. We also manufacture high grade & low-cost reducing fluxes, oxidation fluxes, covering fluxes, dycotes, heat treatment salts, carbon products, silica lining materials and magnesite lining materials for induction furnaces. We also have expertise in removing dissolved non-metallic inclusions from the molten metals through fluxes, which helps very much in the rolling of sheets and flats, particularly in stainless steels.

We have won the trust of our customers over the years and have a strong hold on the local markets, and would like to provide our products & services to other parts of the world also. We strive to give the best products to the customers through quality, reliability and services by:

- Setting high quality standards
- Upgrading the technology
- Adapting custom built products
- Dedicated to meet customer needs
- On-time delivery
- Responsive to solve trouble shootings
- Improving plant operations to obtain Q-plus products
- Resourcing technical grounds
- Enhancing quality with minimizing costs

CHEMICALS & FLUXES — NON-FERROUS.

a) De-Gasser

A very handy degassing method by means of perfectly compressed table of chemical powder. This compacting is very important to control the rate of table dissolving which ultimately leads to proper release of chlorine gas and C_2Cl_4 gas for degassing. The releasing of gas bubbles through molten metal removes the non-metallic inclusions and thus refines the metal completely.

b) Grain Refiner

It is a micro structural activity in which as-cast growth of fine, equiaxial grain while solidification is observed. Several factors affecting this activity are solidification time, pouring temperature, agitation during solidification and degree of metal superheat. Because it is not easy to control these factors during production, the most easy and effective way of grain refinement is deliberate addition of grain nuclei in the melt, which facilitates homogeneous distribution of silicon grains in all kind of alloys. For such addition, combination of titanium & boron is proven to be the best nuclei. There are two types of grain refiners: salt base compacted tablets containing titanium, and titanium + boron.

c) Cover Fluxes & Modifiers

A range of powder fluxes required in aluminium melting for covering, protecting, reducing melting loss, refining & cleaning the molten metal in an effective way.

d) M.G.R. Tablets

The MGR Tablet is meant for lowering the presence of magnesium in the molten aluminium. Available in tablet form up to 1 kg weight, packed in boxes. It can be plunged in the furnace with the help of a plunger directly at an appropriate temperature in the melt.

e-i) Other Products

- Dy. Cotes — oil base / alcohol base / synthetic water base
- Aluminium paste
- Graphite plates for extrusion plant / graphite powder for foundries
- Lubix
- Ceramic powder

CHEMICALS & FLUXES — FERROUS.

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|---|----------------------------|
| • Slag Cure (slag coagulating compound) | • Core washes |
| • Mould coatings | • Ennocullins |
| • Coil Cote & Colloendum | • Synthetic slag materials |
| • Al-Nium (slag treatment and diffusion of gases) | • Ref-Cotes |
| • Core fix & sealing compounds | |

OUR CUSTOMERS.

Jindal Stainless Ltd.

Jaquar & Co. Ltd.

Hindalco Industries

Oswal Pumps Ltd.

Note: For current rates, availability or custom formulations, please contact us anytime — Mr. T.C. Sharma, +91-97-1126-8001 · tiruchems@live.in

