

# OPTA Granular Products



OPTA's technical team can develop a custom product for your steelmaking needs. By combining physical slag analysis and our innovative simulation capabilities, our products can be tailored to meet specific operational needs.

## TUNDISH POWDERS

OPTA's tundish powders are added to create an insulating barrier between the molten steel and the outside air to prevent reoxidation and limit temperature loss. Tundish powders also help remove inclusions from the steel, promoting steel cleanliness before casting. OPTA's tundish powders can be used in both basic and acidic melt practices while protecting ladle shrouds, stopper rods, & other critical refractories in the tundish.

## SLAG DE-OXIDATION

OPTA's slag deoxidizers are used to reduce total Iron Oxide (FeO) and Manganese Oxide (MnO) content from the slag. This is an important step in steel desulfurization, which can be done in conjunction with slag conditioning.

## PRODUCT PACKAGING

- Flow Bins
- Tankers
- Small Bags
- Supersacks
- Bulk Dump
- Briquettes

## SLAG CONDITIONERS & FLUXES

OPTA's slag conditioners are used to adjust slag chemistry and/or viscosity. This facilitates efficient sulfur removal and inclusion engineering. In addition, slag conditioners enhance alloy recovery and protect melt shop refractories. Slag insulators are also used to inhibit temperature loss in the iron and steelmaking process.

## STEEL DE-OXIDATION

OPTA's deox products are used to reduce the oxygen content of liquid steel which is necessary for clean steel practices, desulfurization, and calcium treatment.

## PLANT LOCATIONS

- Kingsbury, Indiana
- Myoma, Pennsylvania
- Milan, Michigan
- Walkerton, Indiana
- Adrian, Michigan
- Stoney Creek, Ontario
- Selkirk, Manitoba



Optimal performance from tap to cast.

[www.OPTAgroupLLC.com](http://www.OPTAgroupLLC.com)