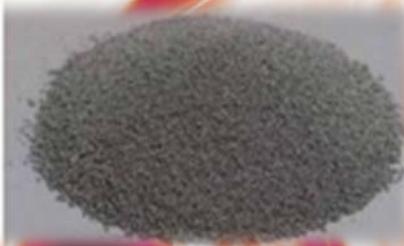


# Mold Powder for Slab Caster

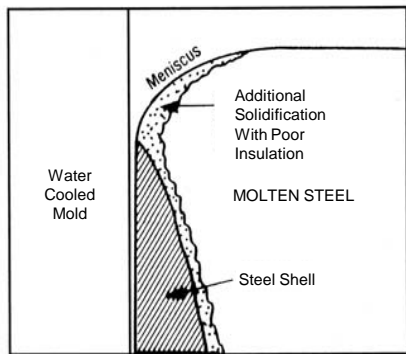


**SHINAGAWA has many mold powder solutions to improve steel quality cast with slab caster.**

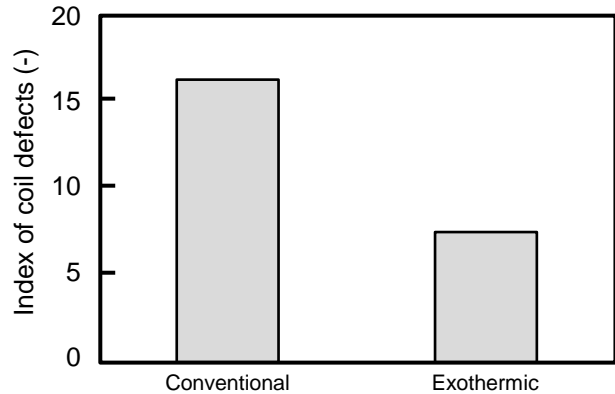
Shinagawa will focus our resources on the customers' requirements and comply with them on every order. We have developed many mold powder solutions for steel quality and stable casting operation on slab caster.

## Exothermic Mold Powder

Good insulating properties are necessary to maintain temperature at the meniscus. A small amount of exothermicity is added to the mold powder. This will add heat to the meniscus area, preventing additional solidification as seen below. Exothermic mold powder provide a lot of benefit for steel quality.



Effect of Insulation on Solidified Steel Shell



## Heat Transfer in Mold

Steel grade which tends to have cracking such as peritectic steel is required low heat transfer in the mold in order to prevent cracking. On the other hand, sufficient heat transfer in the mold is required to obtain steel shell thickness for stable casting operation without breakout.

It is very important for mold powder to adjust appropriate heat transfer in the mold. Shinagawa has many technology to control heat transfer in the mold in order to produce crack ng free slabs with stable casting operation.

## Mold Powder Products for Slab Caster

- High Viscosity Mold Powder
- REVIX(High Basicity Mold Powder) for Peritectic Steel
- Carbon Free Mold Powder
- Fluorine Free Mold Powder
- Stainless Steel Mold Powder
- High Aluminum Steel Mold Powder
- High Titanium Steel Mold Powder
- Enameled Steel Mold Powder
- Mold Powder for Thin Slab Caster
- Exothermic Starter Mold Powder