

PRODUCT DATA SHEET



SphereOx No-Coat Sand Additive® combines the defect fighting benefits of SphereOx Foundry Sand Additive® and the protective benefits of the strongest ceramics to produce the highest quality finish.

SphereOx No-Coat Sand Additive® has specific thermal advantages to provide a surface finish better than any other sand additive.

Interestingly, castings made with SphereOx No-Coat Sand Additive® can have a better surface finish than castings made with core/mold coatings.

When molten metal interacts with silica sand, the reaction can be destructive. Silica sand will expand and then contract while the molten metal is physically forced through the sand grains due to head pressures. When SphereOx No-Coat Sand Additive® is added to the silica sand, the expansion of the silica is negated, and at the same time, nano-particles bind to form a coating-like barrier within the sand. This barrier helps to prevent penetration and burn-in defects.

- Eliminates coating cost and drying time.
- Reduces grinding and welding cost.
- Minimizes labor cost.
- Lowers resin levels by 5-10%.
- Has excellent chill and refractory properties.

CHEMICAL ANALYSIS

Fe, Fe₃O₄, Fe₂O₃ - 50-95%,

Proprietary Ceramics - 10-40%, Ti - 1-12%, Li - <1%

Sieve	Typical Analysis
<i>ASTM E-11</i>	<i>Cum. Weight % Retained</i>
40	0-5
70	15 Max
100	10-30
270	40-65
AFS	180-220