

SURE START®

Refractory Sands to Improve Free Open Percentage In Steel Ladle

Vibrantz offers an array of Sure Start Ladle Sands based on ladle size, mill conditions, run time, temperature, and other variables to create a custom approach to each customer's needs. Our technical service team works individually with each mill to determine what engineered product is best.

Sure Start Ladle Sands are a refractory based material applied in various quantities for optimized free opening of the ladle tap hole. Sure Start Ladle Sands can be applied manually or with automatic feeding systems. Automatic feeding systems provide a reliable and effective technique to improve free open rates.

Sure Start Ladle Sands can be chrome-quartz with zirconia or strictly zirconia containing material. Vibrantz offers different levels of zirconia content. Vibrantz uses unique sources for all raw materials that are used in our various ladle sand blends. Packaging is offered in a variety of sizes and options within the United States. For our export markets, we also have an assortment of packaging options available.

SURE START LHF-HC, PM SERIES

High refractory deformation temperatures for applications that have longer residence time or long turn around heats.

SURE START LHF, LHD

Provides ideal formulations to optimize high free open rates in applications with low residence time or short turn around ladles.

SURE START LHZ

Zircon based products provide robust Ladle Sand blends to improve free open performance in high residence time heats.

Proven Benefit of Using Sure Start Sands with High Deformation Temperatures

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