

SEALING MELT REPELLENT INERT BN-COATING

PROTECTS MELT AND REFRACTORY

Nanocomp ST is applied thinly on a mineral substrate. It may be applied on cold substrate, but requires a heating up to processing temperature before melt contact.

In light metal production the thin coating layer of Nanocomp ST provides protection and repellent effect on ceramic launders, pre-cast refractory and graphite.

These coatings cure at processing temperature thanks to a nano-ceramic binder.

While conventional BN coatings provide only repellence and parting effect, Nanocomp ST5 builds a sealing inert layer on the refractory while pre-heating for processing.

This avoids chemical attack from aggressive alloy melts on the silicate based refractory.

Nanocomp ST5 coatings are designed to be used on ceramic, mineral or graphite based substrates. These coatings prevent chemical attack of aggressive melts and erosion by melt flow.

Nanocomp ST50 provides a sealing layer at high temperatures. It is designed for linings in wrought alloy logistic and graphite substrates.

Nanocomp ST55 provides a sealing layer like a glas when reaching temperatures above 600°C.

It is designed to build an effective barrier between aggressive alloys and the silicate based refractory.

In t-plate application, it provides service for days of permanent melt flow in horizontal billet casting.

Nanocomp ST20 and ST11 prevent melt flow erosion in linings with very thin layers.

Nanocomp ST20yramic is BN-free and can be used at extended temperatures.

Nanocomp STEven is the leveling and filling compound suitable for the ST program.



Benefit

- **Refractory protection**
- **Reliable processing**
- **Low material consumption**
- **No contamination of melt**

Ceramic Coatings for efficient processing

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