

INERT MELT REPELLENT NANO-CERAMIC BN-COATING FOR RELIABLE EFFICIENT PROCESSING

Nanocomp ST is applied thinly on mineral substrate. With the heat energy of the flowing melt, the coat sinters to a robust and inert ceramic.

In light metal production the very thin coating layer of Nanocomp ST provides protection and repellent effect for highly extended service time - for many casting batches more than conventional BN-alternatives.

No build-up, no brushing, no flake-off

Nanocomp ST is highly inert and approved for very pure Aluminium melts as well as for very aggressive alloys.

Nanocomp ST coatings are designed to be used on ceramic or mineral substrates. These coatings resist harsh thermal shock, chemical attack, erosion and melt temperatures of 850°C.

Nanocomp ST20 is the most robust coating with high binder content. Nanocomp ST20 is recommended for light alloy melt logistic with high melt flow and high erosion stress like troughs, launders, crossfeeders in casting table.

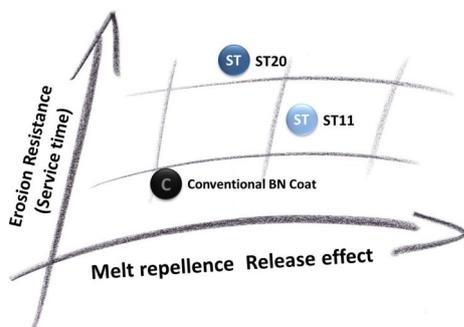
Nanocomp ST20 provides a service of more than 100 hours permanent melt flow. This performance is achieved with an only 50µm coating layer. (approved by customer case study under defined conditions)

Nanocomp ST20yramic is more robust, and inert than ST20. It's **BN-free** and based on nano-ceramic binder and Y_2O_3 . It resists 1500°C.

Nanocomp ST11 is a very pure and inert nano-ceramic coating with high boron nitride content. It's inert to very aggressive melts (5N-Al, AlLi, AlMg, Mg ...) ST11 is highly melt repellent to melt and oxide skins. It can be used as top coating to improve repellence effect.

Benefit

- No build-up of coat, no flake off
- Reliable processing and protection
- High material efficiency
- No contamination of melt



Ceramic Coatings for efficient processing

CeraNovis GmbH
Untertürkheimer Str. 25
D 66117 Saarbrücken

Tel.: +49 68 1500 1500
Fax: +49 68 1500 1599
✉ : sales@ceranovis.com

www.ceranovis.com

