

SEMI PERMANENT COATING FOR FAUCET CASTING *IMPROVED PRODUCTIVITY AND QUALITY IN LPDC/GDC*

In brass LPDC and GDC, the molds are cooled by immersion in a graphite bath and coated with graphite. Due to zinc accumulation, the mold needs to be blasted after 20 to 50 castings. The coating effect is sometimes not sufficient to fill the mold. Graphite is often additionally sprayed.

The insufficient control of the layers, the frequent interruptions in production and the dust pollution caused by spraying and blasting call for a better technology, Nanocomp Brasscast.

Nanocomp BC is a ceramic permanent coating for brass die casting that can be applied at low temperature and withstand the high melt temperatures and water cooling.

With Nanocomp BC, productive times are multiplied. Thanks to better mold filling properties casting defects and the need for additional release agent spraying are avoided.

Better, longer, flawless



Nanocomp BC23 is an insulating coating. It ensures good mold filling and dampens solidification shock, thus avoiding hot cracks. The insulating effect can be adjusted via the coating thickness. BC23 is used in clear water application.

Nanocomp BC25 is a highly insulating coating with good mold filling properties that is used in combination with the graphite immersion bath. Molds coated with BC25 result in vastly improved mold filling, reducing many casting defect risks. Production times are multiplied. Blasting of the mold is rarely necessary, which greatly reduces the dust load in the foundry. Additional spraying of graphite is also eliminated thanks to a thin layer of Nanocomp BC25.

Benefit

- Improved productivity
- Improved product quality,
- reduced reject rate
- Lower dust emission

Ceramic Coatings for efficient processing

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