

Efficient, Reliable and Extended Processing in Aluminium GDC/LPDC Provided by Nano-Ceramic Top-Coating

Nanocomp MM is applied as ultra thin top-coating on the functional (insulating) coating on dies for aluminium permanent mould casting.

It sinters with the energy of the melt heat to a robust ceramic layer and protects the functional coating to provide required insulation, release and melt flow properties for 3–8 times more castings.

Characteristics of functional base coating are not affected, but only service time is increased and surface finish improved.



Nanocomp MM

Features

- Ceramic layer
- Thin, robust, elastic
- Shock resistant
- Melt repellent and inert

Benefit

- Reliable processing
- Service time improved by 300—800%
- Improved productivity & output
- Reduced shotblast interventions
- Tool protecting system

CeraNovis provides also a range of functional base coatings with different grades of roughness and insulation. Coating systems for wheel production as well as for cylinder head production are available. Ask HETPAN Overseas for more information.



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