

## NANO-CERAMIC PROTECTIVE TOP COATING

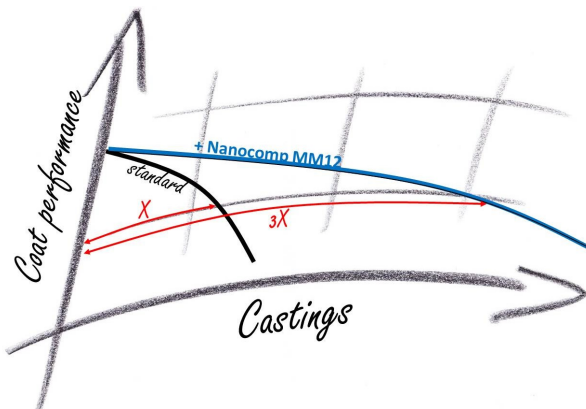
### IMPROVED PRODUCTIVITY AND QUALITY IN LPDC/GDC

**Nanocomp MM** is applied thinly on the insulating base coating in LPDC or GDC moulds. With the heat energy of the floating melt, the coat sinters to a robust ceramic.

Nanocomp MM provides a protective ceramic layer on the roughness of the insulating base coating. In that way it improves the robustness of the entire coating system. Service time of coating can be improved by factor 3 or more.



Excellent results in wheel casting



**Nanocomp MM12** doesn't provide own roughness and insulation effect. It is applied thinly on standard base coatings for aluminium permanent mould casting. The MM12 coat should only be 5-10µm. Consumption is very low.

The blue colour of Nanocomp MM12 turns white after sintering in situ with the melt heat while first casting.

Nanocomp MM12 doesn't affect insulation effect and roughness of base coating. It conserves these properties.

The nano-ceramic layer prevents surface irritations. This is highly appreciated in wheel casting.

Nanocomp MM12 provides protection against chemical, thermal and abrasive wear. Service time of coating is significantly extended.

**Improvement of 200% - 500%** can be expected.

#### Benefit

- Improved service time
- Less shot blast and coating interventions
- Improved process quality
- Improved product quality
- Improved productivity

*CeraNovis provides coating for ceramic and metal substrates as well as highly insulating base coatings .*

*Ask the CeraNovis team or your CeraNovis dealer for advice.*

### Ceramic Coatings for efficient processing

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