

EXOGARDTM Advanced High-Velocity Coating Solutions



EXOGARDTM coatings are dense, thin, and smooth. These expand our portfolio for hard chrome replacement and several coatings, exceeding the properties of our HVOF coatings.

EXOGARD™ Coating Solutions

Coatings made by the EXOGARD[™] process are dense, thin, smooth, and designed to provide corrosion and wear protection in all industries. These coatings are also REACH-compliant, environmentally-friendly, and can be used to replace hard chrome plating.

The EXOGARD process generated four coating families: EXOGREENTM, EXOPROTM, EXOSHIELDTM, and EXOFILMTM. Details of these coating families and their uses are below:

FXOGREENTM

EXOGREEN $^{\text{TM}}$ coatings are thin, environmentally compliant and provide an economical solution that performs equally to hard chrome plating.

EXOPROTM

EXOPRO™ coatings are cost-competitive as compared to traditional HVOF and HVAF coatings, environmentally compliant as an alternative to hard chrome, perform better than hard chrome, and are tougher than standard HVOF and HVAF coatings.

EXOSHIELDTM

EXOSHIELDTM coatings are fully dense, hard and tough, providing best-in-class corrosion and wear protection with exceptional finishability to less than 0,025 μ m/1.0 μ in Ra values.

$EXOFILM^{TM}$

EXOFILMTM coatings are an ultra-thin solution for textured surfaces. They are environmentally compliant as an alternative to hard chrome plating.



EXOGARD™ Typical Coating Properties and Performance

< 0.5 %
HV 1100 minimum
< 1 μin Ra, < 0,025 μm Ra
1 mm ³ /rev
Passed 1000 hrs @ 0.002"/0.05 mm thickness



EXOGARD™ coating: super finished (right), as coated (left)



EXOSHIELD™ coating cross-section showing dense microstructure

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