

ExoGard™ Coatings for Hard Chrome Replacement

ExoGard™ coatings are dense, thin, and smooth coatings designed to provide corrosion and wear protection equivalent to chrome plating. These coatings are REACH-compliant environmentally-friendly alternatives to hard chrome plating.

Hard Chrome Replacement

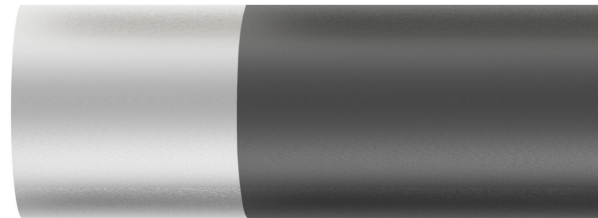
Hard chrome plating has been used in applications that require wear protection and/or corrosion resistance. With environmental standards changing, PST's ExoGard coating technology is an economic alternative that provides equivalent, if not better, performance at a reduced cost compared to traditional HVOF and HVOF coatings.

Features and Benefits

- Environmental & REACH-compliant
- Equivalent performance
- Chrome-like appearance
- Better economics than traditional HVOF solutions
- No internal micro-cracks

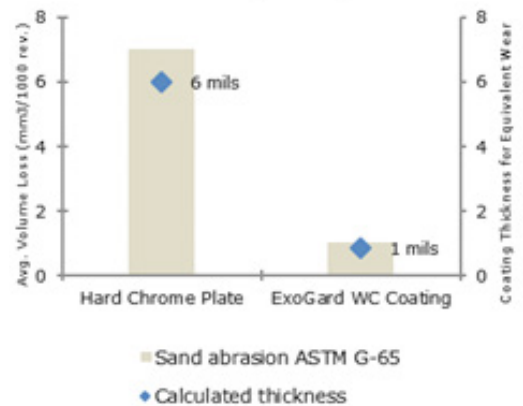
Solving Common Challenges

- Sliding wear, abrasion, wet corrosion, galling, and more
- Approved for applications in the aerospace, chemical, food, heavy equipment, metals, oil & gas, paper industries, plastics, power generation, and textile industries



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

Hard Chrome Plate vs. ExoGard WC Wear Equivalency



How to Get Started. Contact Us Today.

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ExoGard™ Coating Properties and Performance Data

Coating porosity:	< 0.5 %
Microhardness:	HV 1100 minimum
Surface finish achievable:	< 2 μ inch Ra, < 0,05 μ m Ra
Sand abrasion per ASTM G65:	1 mm³/rev
Salt spray corrosion per ASTM B-117:	passed 1000 hrs 0.002"/0.05 mm