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 HVAF 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

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**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

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