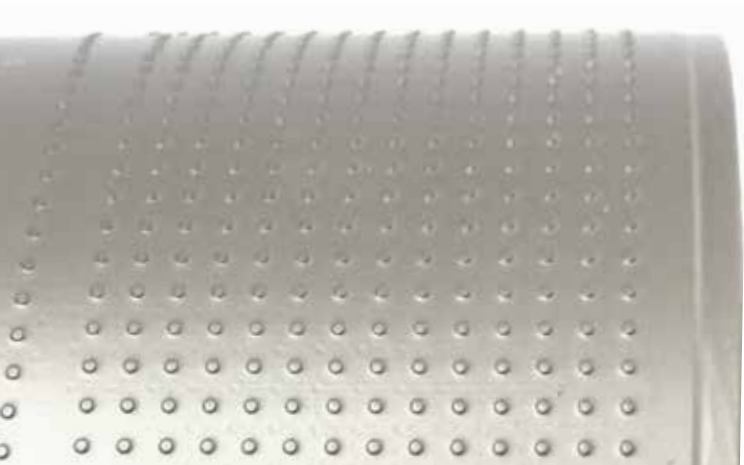


# ExoFilm™ Coatings | Ultra-thin, hard chrome replacement for *textured surfaces*

ExoFilm™ coatings are an **ultra-thin** solution for **textured surfaces**. They are **environmentally compliant** and perform better than flash hard chrome plating.

## Textured surface retention

Since ExoFilm coatings are ultra-thin, they are capable of following a textured surface. They can be applied as thin as 5 microns (0.0002") and offer a very low as-sprayed roughness. The finish has a light grey appearance like dull chrome.



## Environmentally compliant

ExoFilm coatings are REACH-compliant, so they provide a sustainable solution to eliminate the use of hard chrome plating and the hazardous waste created by the plating process.



## Better performance

ExoFilm coatings perform equal to, if not better than, flash hard chrome. They have a comparable hardness, while offering much better wear and corrosion protection.

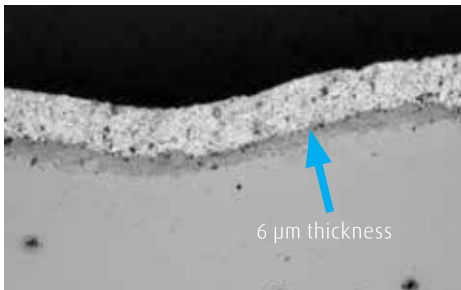


*Textured surface with ultra-thin ExoFilm LW-303 coating*

# ExoFilm™ Coatings | Ultra-thin, hard chrome replacement for textured surfaces

## ExoFilm Coating Properties vs. Hard Chrome

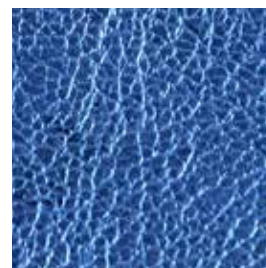
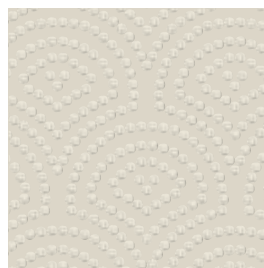
Coating Name	Chemistry	Average Hardness (HV 0.3)	Strain to Fracture (%)	Sand Abrasion (mm <sup>3</sup> /1k rev) ASTM G65	Erosion 30° (µm/gm)	Erosion 90° (µm/gm)	Comments
ExoFilm LW-303	Tungsten carbide - Co rich matrix	1150	0.65	0.9	12	86	Very smooth & ultra thin
Hard Chrome		900	0.14	7.1	14	57	Hydraulic rod grade



Cross-section of textured surface with ultra-thin ExoFilm LW-303 coatings

## Solutions for the following industries:

- Building Materials
- Metals
- Paper and converting
- Plastics and leather



Making our world more productive

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