



GEOMET® 500

GEOMET® 500, the latest technology introduced by Metal Coatings International, meets the industry demand for a finish that is cost-efficient, functional, exceeds all of the performance characteristics outlined by automotive OEM's and is ABSOLUTELY CHROMIUM-FREE (No Hex or Tri Chrome).

Functional Benefits

- Thin
- Consistent Torque-tension in two coats
- Hydrogen Embrittlement Free
- Bimetallic Corrosion Resistant
- Solvent Resistant
- Heat Resistant
- Single Coating Simplicity



Environmental Benefits

- Entirely Chromium-Free Complies with:
 - EU ELV Directive
 - EU RoHS Directive
 - DaimlerChrysler CS-9003
 - General Motors GMW 3059
 - Ford WSS-M99-P999-A1
 - OSHA
 - EPA
- No Toxic Metals
- Water-Based

Application

The application of GEOMET® 500 is the simplest in the industry, saving the applicator time and effort.

Cleaning- Requires an Alkaline wash and Mechanical blast

-Application process avoids contact with acids and electrolysis and therefore provides engineers confidence that delayed fracture will not occur

Coating- Applied to meet different performance characteristics:

- Grade A, applied in two coats, requires a coating weight of >24 g/m²
- Grade B, applied in three coats, requires a coating weight of >36 g/m²

Curing- Coating is cured at 575° F (300° C) for 15 minutes PMT (Part Metal Temperature)

Performance

	Thickness (μm)	Minimum Coating Weight (g/m ²)	Coefficient Of Friction (WZ 101)	SST (ASTM B117)	APGE (BI 123-02)
GEOMET® 500 A	6-10	24	0.15	600	25
GEOMET® 500 B	8-12	36	0.15	1000	50
GEOBLACK™ ML	10-16	32	0.13	1008	50

GEOMET® 500, which was developed to replace DACROMET 500®, offers **single coating simplicity** and is being specified by automotive OEMs worldwide. Visit our website at www.geomet.net for a complete list of the specifications that have been written for all of the GEOMET® Coating Systems.



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