

GEOMET[®] 500



A unique product for optimal friction and anticorrosion performance

GEOMET[®] 500 is applied to fasteners and many type of metallic parts to protect from corrosion, and it is used in many industries

- Thin dry-film, non-electrolytic, self-lubricated
- Water-based chemistry
- Passivated zinc and aluminium flakes in a binder, patented chemistry
- Chrome free alternative to DACROMET[®] 500
- Metallic silver appearance

Characteristics and performance*

- Coefficient of friction: $0,15 \pm 0,03$ (ISO 16047)
- No topcoat required
- No hydrogen embrittlement
- Excellent assembly and multi-tightening behavior
- Good mechanical damage (test method D24 1312, USCAR 32) and chemical resistance to VDA 621-412) test
- Performance maintained at elevated temperatures (up to 300°C)
- Paintable coating
- Electrical conductivity for most application
- Bimetallic compatibility with aluminum
- Application cost savings

High corrosion resistance*

Coating Weight	Salt Spray Test (ISO 9227 / ASTM B117)	Cyclic Test
Grade A > 24 g/m ²	> 240 hours without white rust > 720 hours without red rust	25 cycles APGE
Grade B > 36 g/m ²	> 240 hours without white rust > 1000 hours without red rust	6 cycles ACT 50 cycles APGE

* Results may vary depending on substrate, geometry of parts and type of application processes



**NOF METAL COATINGS
GROUP**



GEOMET® 500

Application process

GEOMET® 500 can be applied by Dip-Spin, Spray, Dip-Drain-Spin using bulk or rack

Health and Safety

- Aqueous dispersion
- Complies with REACh
- Complies with the 2011/65/EU and (EU) 2015/863 directives

Among our worldwide specifications

- PEUGEOT / CITROËN (B 15 3320)
- FIAT (Capitolato 9.57513)
- FORD (S447 & S448)
- INTERNATIONAL TRUCK (TMS 4523)
- IVECO (18-1101)
- JAGUAR CARS & LAND ROVER (ST JLR.50.5050)
- SCHNEIDER ELECTRIC (ABD 00048)
- SNCF / RATP (ST001-01)
- BOSCH (0 204 Y81 074 Code H)
- JOHN DEERE (LaN 930-11.4)

International standards

EN ISO 10683 - Fasteners: non-electrolytic zinc flake coatings

EN 13858 - non-electrolytic zinc flake coatings on iron and steel parts

ASTM F1136 / F1136 M - Zinc/Aluminum Corrosion Protective Coatings for Fasteners

