

# PLUS<sup>®</sup> series



## Worldwide trusted and proven performance



The PLUS<sup>®</sup> brand of topcoats are lubricated sealers. When applied to DACROMET<sup>®</sup> or GEOMET<sup>®</sup> base-coats, they provide controlled friction coefficient of threaded parts and increase the resistance to corrosion. The controlled sacrificial corrosion protection mechanism of DACROMET<sup>®</sup> and GEOMET<sup>®</sup> is improved further with the PLUS<sup>®</sup> topcoats.

### Characteristics and performance\*

- Friction coefficient on GEOMET<sup>®</sup> 321 base-coat (ISO 16047)

PLUS <sup>®</sup> XL	:	0.06 – 0.09
PLUS <sup>®</sup> L	:	0.08 – 0.14
PLUS <sup>®</sup> VL	:	0.09 – 0.14
PLUS <sup>®</sup> ML	:	0.10 – 0.16
PLUS <sup>®</sup> M	:	0.12 – 0.18
PLUS <sup>®</sup>	:	0.14 – 0.20
PLUS <sup>®</sup> 10	:	not lubricated

- Appearance: matte metallic silver (clear topcoats)
- Salt Spray Test according to ISO 9227 / ASTM B117
  - GEOMET<sup>®</sup> 321/500 + PLUS<sup>®</sup> XL, L, VL, M, ML, 10 > 720 hours without red rust (with a GEOMET<sup>®</sup> 321/500 coating weight > 24 g/m<sup>2</sup>)
- Increased field performance of parts
- Improved contact corrosion resistance (to magnesium, rubber, aluminum, etc)
- Excellent resistance to solvents, fuels and brake fluids (VDA 621-412)
- Competitive production cost

### Application process

These water-based inorganic products can be applied by Dip-Spin, Spray, Dip-Drain-Spin, using bulk or rack

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



**NOF METAL COATINGS  
GROUP**



# PLUS<sup>®</sup> series

## Health and Safety

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

## Main worldwide specifications

- PLUS<sup>®</sup> XL : PSA (B15 3320)  
RENAULT (on drawings)  
CHRYSLER (PS 9666)
- PLUS<sup>®</sup> L : CHRYSLER (PS-5873)  
FIAT (Cap. 9.57513)  
GENERAL MOTORS (GMW14)  
IVECO (18-1101)  
CATERPILLAR (1E1675G)  
JOHN DEERE (JDM F13)
- PLUS<sup>®</sup> VL : BMW (GS 90010)  
DAIMLER (DBL 9440)  
OPEL (GMW 3359)  
PORSCHE (PTL 7539)  
RENAULT TRUCKS (01.71.4002)  
VOLKSWAGEN Group (TL 245)
- PLUS<sup>®</sup> ML : FIAT (Cap. 9.57513)  
FORD (WX 100 S438)  
GENERAL MOTORS (GMW 3359)  
IVECO (18-1101)
- PLUS<sup>®</sup> M : FIAT (Cap. 9.57513)  
IVECO (18-1101)  
RENAULT (01-71-002)  
RENAULT TRUCKS (01.71.4002)
- PLUS<sup>®</sup> 10 : HONDA  
NISSAN  
PORSCHE (PTL 7529)  
SUZUKI  
VOLKSWAGEN Group (TL245)

## International standards

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

**EN 13858** – Non-electrolytic zinc flake coatings on iron and steel parts

