

DACROMET®



A time-proven reliable coating for corrosion protection

For more than 35 years, DACROMET® has been used worldwide for high performance corrosion protection on wide variety of metallic parts

- Thin dry-film, non-electrolytic, self-lubricated or not
- Water-based chemistry
- Passivated zinc and aluminium flakes in a binder, patented chemistry
- Binder contains chromium oxide (Cr³⁺ and Cr⁶⁺)
- Metallic silver appearance

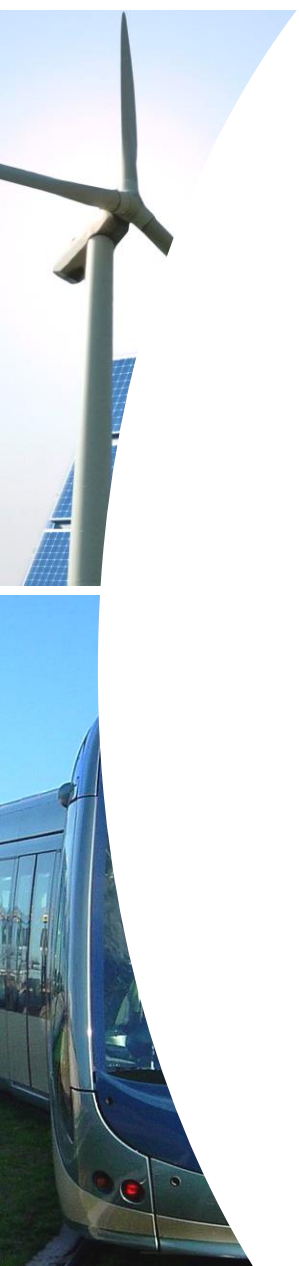
Characteristics and performance*

- Coefficient of friction (ISO 16047):
 - DACROMET® 320 + PLUS® or DACROLUB® topcoat → μ from 0.06 to 0.19
 - DACROMET® 500 → $\mu = 0.15 \pm 0.03$ without topcoat
- No hydrogen embrittlement
- Excellent assembly and multi-tightening behavior (with lubricated topcoat)
- Good mechanical damage resistance (trial method D24 1312, USCAR 32) and chemical resistance (trial VDA 621-412)
- Suitable for high-temperature applications (up to 300°C)
- Paintable coating
- Electrical conductivity for most application processes
- Competitive application costs
- Bimetallic compatibility with aluminum

High corrosion resistance*

	Coating Weight	Salt Spray Test (ISO 9227)	Cyclic Test
DACROMET® 320 / 500 Grade A	> 24 g/m ²	> 240 hours without white rust > 600 hours without red rust	
DACROMET® 320 / 500 Grade B	> 36 g/m ²	> 240 hours without white rust > 1000 hours without red rust	
DACROMET® 320 / 500 High thickness	> 80 g/m ²		> 15 Kesternich cycles

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



**NOF METAL COATINGS
GROUP**

DACROMET®

Application process

DACROMET® can be applied by Dip-Spin, Spray or Dip-Drain (Spin) using bulk or rack

Health and Safety

- Aqueous dispersion

Main worldwide specifications

- ABB (2062 0034-5)
- BERTIN (85DT88.068)
- BREDA (V.02.R02 MTE/STE/9609580 [0])
- CLIPPER (DC-064743-01)
- EDF (XMA0401T1)
- EUROTUNNEL (C46 000 MVT NYJX 2723)
- FIAMM DAE (Q-1-C-033)
- GEC ALSTHOM (PTG NTO 0432)
- LYONNAISE DES EAUX (97-10-dacr)
- MERCURY MARINE (M-124-P)
- RENAULT TRUCKS (01-71-4002)
- VOLVO TRUCKS (VCS 5752,52)
- MAN (MAN 183-2)
- IVECO (18-1101)

National & International standards

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

EN 13858 - Non-electrolytical zinc-flake coatings on iron or steel parts

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

