

GEOMET® 720 HP

BASE COAT



Metallic silver color



Waterbased
formulation

6-15 µm

Low thickness



Pfas-free

FUNCTIONALITIES

Corrosion Protection

GEOMET® 720HP provides enhanced corrosion performance even on areas subjected to mechanical damage. The combination with various topcoats provides a large range of COF, and excellent galvanic protection. It also fulfills various OEM requirements and meets the environmental rules and regulations introduced by various organizations around the world.

1000-2000 h

[ISO 9227/ASTM B117/JIS Z2371]

* The standard application of GEOMET® 720HP is 2 coats 2 bakes.

Temperature resistance

Performances maintained up to 300°C.

Static friction

Static friction coefficient 0.19-0.23 (ISO 16047)

Electrical properties

This film has conductive and offers perfect galvanic properties to avoid bi-metallic corrosion in most of industrial assemblies (cast iron, carbon steel and aluminum alloys).

Paintability

Excellent surface conditions for paints or additional coatings.

No hydrogen embrittlement

Implemented via non-electrolytic application processes. This avoids the hydrogen embrittlement phenomenon that causes cracking of metals.

APPLICATION

Processes

GEOMET® 720HP can be applied via bulk dip/spin, rack dip/spin, spray or electrostatic spray. This variety of processes allows to coat all types of parts, even those requiring partial coating, or with recessed and hollow surfaces.

Moreover, they are non-electrolytic and thus avoid the phenomenon of hydrogen embrittlement which causes cracking of metals.



BULK
DIP/SPIN



ELECTROSTATIC
SPRAY



RACK
DIP/SPIN



SPRAY

TECHNOLOGY

Waterborne zinc flake

GEOMET® 720 HP is developed, using an advanced technology perfected by NOF Metal Coating Group for over 45 years. To enhance the corrosion resistance, an innovative binder is used with zinc and aluminum flakes. It complies with various environmental directives, health and safety requirements. It is water-based, chrome-free, nonylphenol-free and PFAS-free.

The performance described above was obtained by the test method specified by us and does not guarantee all performance under the customer's usage conditions.

Compliant with

REACH - Registration, Evaluation, Authorization and restriction of Chemicals

2011/65/EU and (EU) 2015/863 - Directive of the European Parliament on the restriction of the use of certain hazardous substances in electrical and electronic equipment

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

EN 13858 - Corrosion protection of metals - Non-electrolytically applied zinc flake coatings on iron or steel components

EN ISO 10683 - Fasteners - Non-electrolytically applied zinc flake coating systems

WEEE - Waste from Electrical and Electronic Equipment

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