NOF METAL COATINGS GROUP

PLUS® VL

TOPCOAT

CLEAR COLOR

WATERBASED

1-2 µm

LOW THICKNESS

FUNCTIONALITIES

Lubrication

PLUS® VL allows to obtain a stable and controlled friction coefficient in the range of 0.09-0.14.

0.09–0.14

COEFFICIENT OF FRICTION (ISO 16047)

Measured on GEOMET® 321 or GEOMET® 720 on HM10.

Corrosion protection

Combined with our zinc flake basecoats, PLUS® VL reacts and creates a barrier effect that improves both the corrosion resistance of the system and the contact corrosion with aluminum and other materials.

Chemical resistance

Resistance to industrial solvents and automotive fluids.

Color tracing

PLUS® VL can be colored for part visual identification and differentiation.

No hydrogen embrittlement

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

APPLICATION

Processes

PLUS® VL is 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

 RACK DIP/SPIN

 SPRAY

 ELECTROSTATIC SPRAY

TECHNOLOGY

Waterborne silicate

PLUS® VL is a technology composed of lubricants in a silicate resin. It has been developed to comply with the highest industrial requirements and regulations regarding environment, health and safety. It is water-based and nonylphenol-free.

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

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