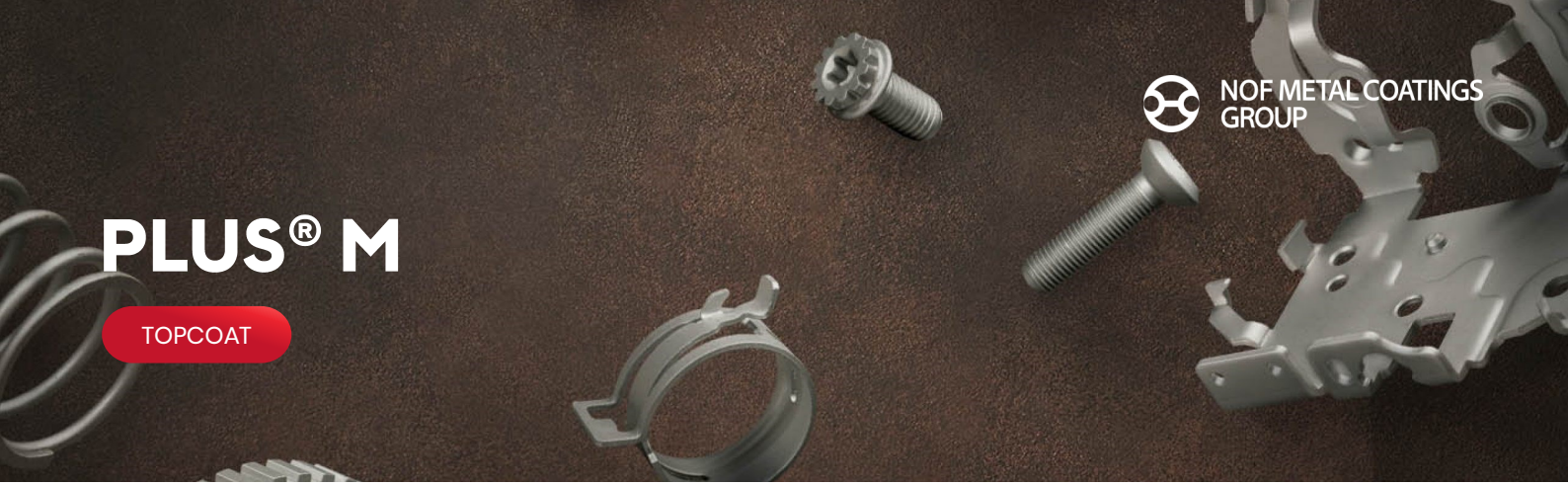

NOF METAL COATINGS GROUP

PLUS® M

TOPCOAT

CLEAR COLOR

WATERBASED

1-3 µm

LOW THICKNESS

FUNCTIONALITIES

Lubrication

PLUS® M allows to obtain a stable and controlled friction coefficient in the range of 0.12-0.18.

0.12-0.18

COEFFICIENT OF FRICTION (ISO 16047)

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

Corrosion protection

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

Temperature resistance

Combined with our zinc flake base coats, PLUS® M reacts and improves their temperature resistance by raising it to 400°C.

Chemical resistance

Resistance to industrial solvents and automotive fluids.

No hydrogen embrittlement

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

APPLICATION

Processes

PLUS® M 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® M 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