AHEAD OF REGULATION FOR MORE ENVIRONMENTALLY FRIENDLY COATINGS.

NOF Metal Coatings Unveils PFAS-Free Topcoat Range

PFAS, or poly- (or per-) fluoroalkyl substances, widely used in different industrial sectors are now coming under increasing scrutiny due to their long-lasting presence in the environment.
A possible European ban on PFASs based on REACh, might come into force as early as 2027 for specific industrial segments.

Apart from PTFE, a fluoropolymer currently classified as a “polymer of low concern” by the Organization for Economic Co-operation and Development (OECD), we do not use any other PFAS in our products.

Regardless of potential restrictions imposed by environmental authorities on PTFE, NOF Metal Coatings Group took this new regulation as an opportunity to develop a new PFAS-free topcoats range generation with worldwide availability.

PFAS free PLUS® Series

The ambitious objectives of these developments were to be able to offer our customers a new range of more environmentally friendly products, while guaranteeing the same tribological performance as our current PLUS® range, our most popular topcoat range.

· PLUS® XL 2 Silver: COF 0,06 – 0,09 (ISO 16047)
· PLUS® VLh 2 Silver: COF 0,09 – 0,14 (ISO 16047)
· PLUS® ML 2 Silver: COF 0,10 – 0,16 (ISO 16047)

Applied on top of our GEOMET® waterborne zinc flake basecoat, our PFAS-free alternative to PLUS® VLh satisfies the requirements of VW 011 31 and MBN 105 44 and will have the same outstanding properties:

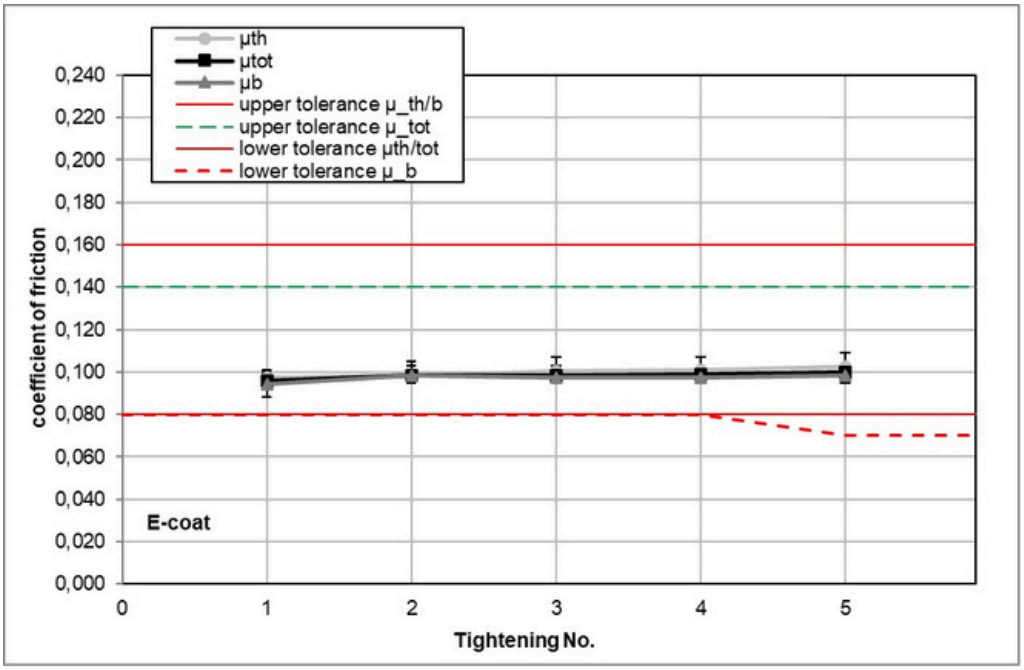
· Behavior in loosening tests (including at high temperature),
· Multi-tightening and high-speed tightening,
· Stick slip avoidance,
· Compatibility with various counterpart materials (e-coat, aluminum, and steel).

Improved aesthetics of coated parts

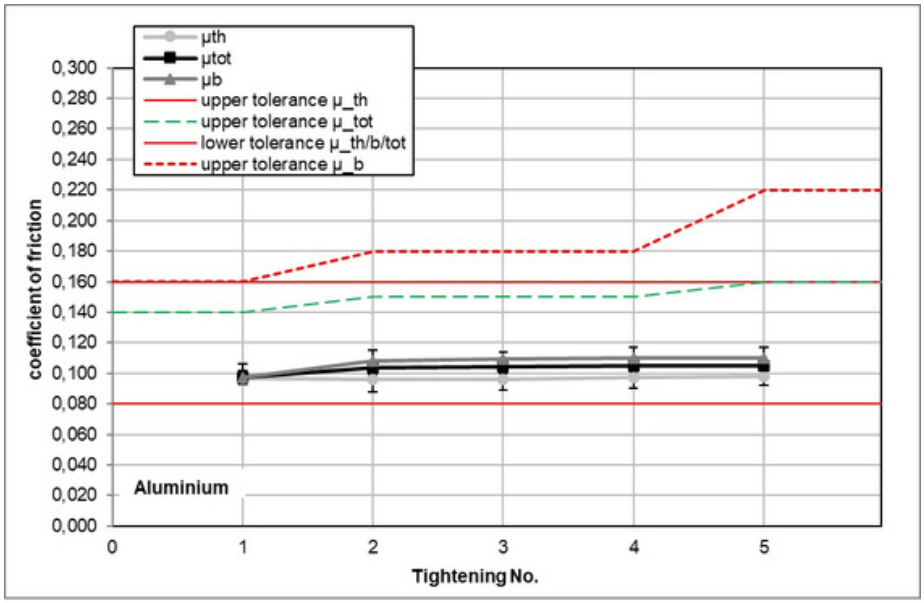
To offer our customers the best products on the market, we have taken this opportunity to enhance the aesthetics of the products in this new range by adding aluminum pigments, thus obtaining a uniform silver color! This enhancement will improve the visual appearance of assemblies where fasteners are visible by customers.

On the road to greener future

Meanwhile, in our R&D laboratories, our teams are continuing to work on PFAS-free coatings and GEOBLACK® systems, with the addition of black topcoats to our PFAS-free PLUS® range to be ready before the end of the year!



PLUS® VLh 2 Silver against E-coat (MBN 10544)



PLUS® VLh 2 Silver against aluminum (MBN 10544)



M10 screw coated with PLUS® VLh 2 Silver

Contact:

Alexandre Hijji
Product Manager
NOF Metal Coatings Europe

Mail: alexandre.hijji@nofmetalcoatings.eu
Tel: +6 83 39 23 89