

Lubrus MS

Sealer for Zinc and Zinc Alloys

High-Performance, Corrosion Resistant Sealer

Lubrus MS is a powerful water-based sealer and is usually applied over trivalent chromium passivation. This product offers excellent corrosion resistance and can be applied over various films, such as Zn/ZnNi/ZnFe and zinc flake.

Lubrus MS also provides superior corrosion resistance and exceptional salt spray protection. For Zn plating followed by black or clear passivation, Lubrus MS offers up to 480 hours of salt spray protection to white rust and white haze.

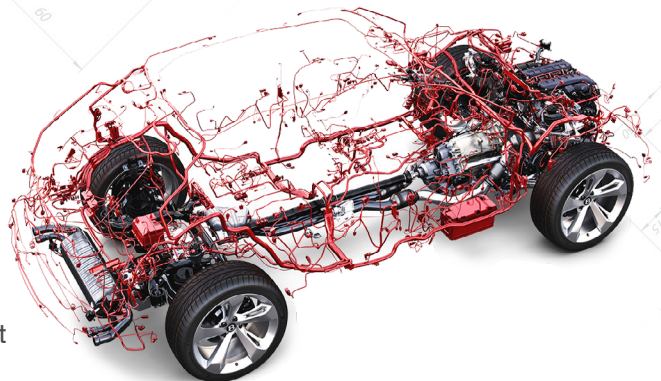
Lubrus MS is a stable solution in the long-term; no changes have been detected in the solution during continuous processing.

Features

- Liquid product
- Consistently provides high corrosion protection
- Achieves consistent total friction coefficients
- Can be diluted up to 30%
- Applicable to various films
- Produces bright, even deposits over trivalent chromium passivation
- In-line process available
- Processable in dip/spin, dip/drain or spray applications

Benefits

- Does not contain heavy metals or rare elements
- Dries at a relatively low temperature
- Stable solution in the long term
- Superb corrosion resistance and stable friction coefficient
- Delays the occurrence of white haze and rust
- Reduces poor fitting and mating failures due to excessive coating



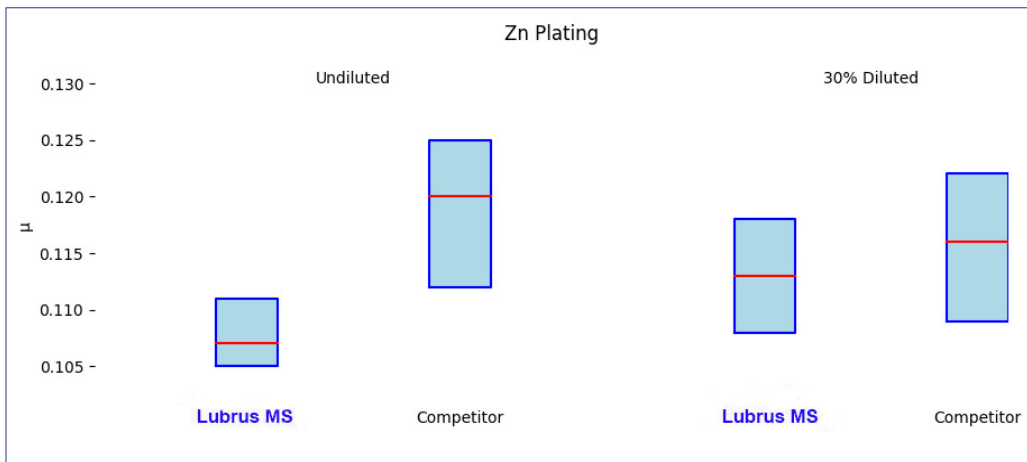
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Friction Coefficient Testing

Total friction coefficient (μ_{tot}) measurement tests have been performed to test Lubrus MS' performance vs a competitor's sealer.

Test conditions:

- Bolt: Zn or ZnNi plating (Cr3+ passivation) + Sealer
- Washer: Steel
- Nut: Zn plating (Cr3+ passivation)
- Tightening rotation speed: 4 rpm
- Reading axial force: 25 Nm



Left: Lubrus MS' friction coefficient performance vs a competitor's sealer on Zn plating.

Results show that friction coefficient measurements for Lubrus MS remain stable, even when the product is diluted at 30%.

Right: Lubrus MS' friction coefficient performances vs a competitor's sealer on Zn/Ni plating.

Results show that Lubrus MS' measurements are more consistent and the average friction coefficient (red line) is repeatedly lower than the competitor's sealer.

Lubrus MS is a reliable, efficient process for manufacturers working with zinc, Zn/Ni, Zn/Fe and zinc flake.

