Magni 565

Zinc-Rich and Aluminium-Rich Coating

Description

Magni 565 was specifically developed to provide corrosion and chemical resistance for automotive components in the Northern Hemisphere where the salting of icy roads dictates the highest possible corrosion protection be given to automotive components.

The multi layer system consists of thermosetting, aluminium pigmented, epoxy coating applied over a Zinc Rich basecoat. The typical film thickness for the coating systems when applied to fasteners is in the range of 12-25 microns.

In other industrial applications these coating systems can be applied in higher film builds, up to 30 microns, providing additional corrosion protection for use in the most extreme environments.

Magni 565 is also resistant to all automotive fuels, a wide variety of organic solvents, acids and bases.

No contribution to Hydrogen embrittlement

Areas of application

Common applications which have proven their cost advantages include:

- Automotive fasteners, clips, springs and brackets
- Stud bolts and nuts
- Structural Nuts and Bolts requiring corrosion and or chemical protection without the risk of hydrogen embrittlement weakening the part.
- Other types of threaded fasteners
- Other components, springs, pressings, clips and brackets.
Technical Data

Main Function
Low, consistent torque drive characteristics
Corrosion resistance from 480 - 1000 hours **
Resistance to automotive fuels

Colour
Matt Silver Grey

Finish
Dry

Typical Thickness
12 - 30 microns (dip/spin) **

Coefficient of Friction
0.13 ± 0.3

Wear Life
Very good

Abrasion Resistance
Good

Flexibility
Very Good

Acid Resistance
Very Good

Alkali Resistance
Very Good

Solvent Resistance
Very Good

Permissible Substrates
All carbon steels

Specifications Meets:

Ford S439 (WSS-M21P37-A1)
General Motors GM7114M, GMW3359
Arvin Meritor P91
John Deere JDM F13
Delphi DX551801, DX45501804, DX551810, DX44501804

** Please consult your Molybond Engineered Coatings Sales Engineer to determine what salt spray performance and chemical resistance can be achieved on, or is suitable on your components.

** When tested to ASTM B117

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

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