



Meta-Shield™ W1000D

Water based rust preventative for the protection of metallic components



Description

Meta-Shield W1000D is a specially formulated, water based rust preventative. Meta-Shield W1000D is supplied as a read formed emulsion. The emulsion is provided at 22% concentration giving optimum stability, wetting and corrosion protection (3-6 months indoor protection). Meta-Shield W1000D is based on a unique blend of high quality corrosion inhibitors and incorporates the MAT – Meta-Shield Adhesion Technology™. MAT Technology forms stable emulsions and offers superior wetting. The residual RP film is hydrophobic and gives excellent protection but when required is easily washed off. After evaporation Meta-Shield W1000D leaves a light oily residual film. Meta-Shield W1000D emulsions is best applied at elevated temperature through dipping or spraying. Meta-Shield W1000D is Barium, Boron and Formaldehyde releasing biocide free.

Features and benefits

- Gives 3-6 months indoor protection for metallic parts
- Provides protection against environmental factors during transport and storage
- Superior wetting giving an even coating and reliable protection
- Incorporates MAT – Meta-Shield Adhesion Technology™
- Water based technology – no chemical emissions & kinder to operators
- Barium, Boron and Formaldehyde releasing biocide free

Global specialists in high-performance lubricants

Metalube Limited, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester M44 5EG, UK
Tel: +44 (0)161 775 7771 Fax: +44 (0)161 775 7511 post@metalube.co.uk www.metalube.co.uk

Company registration number: 2263118; Company registered in England VAT registration number GB108244927000



Cert No 2367QM8001



Meta-Shield™ W1000D

Recommended instructions for use

Meta-Shield W1000D is provided in a ready to use state

It is recommended that barrels or IBCs be agitated prior to use. Meta-Shield W1000D can be applied through several methods but for maximum performance it is recommend that you apply at elevated temperatures by dipping or spraying. It is advised that parts should be free from oil and cleaners before treating with Meta-Shield W1000D as these contaminants may affect the stability of the emulsion. After treatment parts should be allowed to dry before further packaging or storage.

Pack sizes

Meta-Shield W1000D is available in 1000L IBC's & 205L steel drums.

Technical data (typical values)

Property	Test method	Result
Appearance	MSTM 1	Dark brown oil
Density at 20°C	MSTM 23	0.980 g.cm ⁻³
pH	MSTM 18	9.3
Level of Indoor Protection	MSTM B117	3-6 months
Salt Fog	ASTM B117	16 hrs
Film Thickness	MSTM 63	2.5μ
Coverage	MSTM 64	102 m ² /l

Storage

It is important to protect Meta-Shield W1000D from frost to avoid separation of waxy components. Storage temperature should be controlled to between 10°C and 35°C.

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Concentration monitoring

Emulsion concentration is generally measured using a refractometer measuring on the Brix scale.

To obtain the actual concentration multiply the refractometer reading by the correction factor 1.04

e.g. Refractometer reading = 50% dilution of sample = 10.6 Brix

Correction factor X 1.04 = 11.0% x 2 (to correct for dilution)

Actual dilution = 22.0%

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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