



Meta-Shield™ W1000C

Water dilutable rust preventative concentrate for the protection of metallic components



Description

Meta-Shield W1000C is a specially formulated, water dilutable, rust preventative concentrate. Meta-Shield W1000C is readily emulsifiable and forms stable rust preventative emulsions between 10 and 25%, its optimum performance is at 20% where it offers >9 months indoor protection. Meta-Shield W1000C 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 W1000C emulsions leave a light thixotropic residual film. Meta-Shield W1000C emulsions are best applied through dipping or spraying. Meta-Shield W1000C is Barium, Boron and Formaldehyde releasing biocide free.

Features and benefits

- Water dilutable concentrate gives flexibility to the user
- Offers protection from 2 months (10% emulsion) to >9 months (>20% emulsion)
- 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 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™ W1000C

Recommended instructions for use

Meta-Shield W1000C is provided as a concentrate for dilution in water. When making emulsions you should always add the oil to water rather than adding the oil first. Meta-Shield W1000C concentrate should be added to water in a well agitated area.

It is recommended that barrels or IBCs be agitated prior to use. Meta-Shield W1000C can be applied through several methods but for maximum performance it is recommended that you apply by dipping or spraying. It is advised that parts should be free from oil and cleaners before treating with Meta-Shield W1000C 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 W1000C 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	0.91 g.cm ⁻³
Flash Point	ASTM D93	>93°C

Emulsion Characteristics	10%	15%	20%	25%
Level of indoor protection (MSTM B117)	1-2 months	3 months	3-6 months	3-6 months
Salt Fog (ASTM B117)	8 hrs	12 hrs	16 hrs	18 hrs
Film Thickness (MSTM 63)	0.4µ	1.2µ	2.5µ	2.5µ
Coverage (MSTM 64)	243 m ² /l	123 m ² /l	102 m ² /l	105 m ² /l

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Storage

It is important to protect Meta-Shield W1000C from frost to avoid separation of waxy components. Storage temperature should be controlled to between 10°C and 35°C.

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 = 14.4 Brix

Correction factor X 1.04

Actual dilution = 15.0%

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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