
PRODUCT DATA SHEET

Rust Mechanic™

Paintable Rust Converter and Inhibitor

Description:

Biosymph's Rust Mechanic™ has been designed to meet the needs of the future. This state-of-the-art rust inhibitor is performance-oriented and environmentally compliant.

Rust Mechanic™ instantly bonds with rust, stops its growth, transforms a surface into a non-rusting paintable surface, and prevents future rust formation. It provides an excellent primer coating for the application of Biosymph's GilsoFlex™, Biosymph's ClimoPlate™ or other quality paints. Surfaces protected with this primer and an oil-based paint system resist the effects of weather, rain, sun and salt spray without peeling or cracking. This easy-to-use product is the first step in providing long-term protection of steel and iron surfaces.

Benefits:

- Converts rust (Iron Oxide) to Ferrous Oxide, thus neutralising rust
- Eliminates rust and prevents future rusting
- Seals and converts rusted surfaces into paintable surfaces
- Continues to be active and combats any future rusting
- Easy to apply by brush, roller and spray. Also available in pre-filled aerosol spray cans for easy application.

Physical Properties:

Appearance:	Salmon Pink coloured liquid
Odour:	mild
Odour Threshold:	not established
pH:	1.5-3.5
Water Solubility:	50%
Vapour Density (air=1):	not available
Melting point / Freezing point	not available
Boiling point:	102°C, estimated
Flash Point:	not flammable
Specific Gravity:	1.06
Vapour Pressure:	not established
VOC Content:	<4.0%
Evaporation Rate:	not available
Explosion Properties:	none
Oxidising Properties:	not oxidizing
Aerosol Fire Protection Level:	not applicable
Octanol / Water Partition Coefficient:	not available
Decomposition Temperature:	not available
Autoignition Temperature:	not available
Viscosity:	not available
Clean-up:	Mineral Turpentine
Shelf Life:	1 year

Theoretical Coverage Rate:	6.0 square metres per litre at 40 microns DFT
Application:	Brush or roller, can be sprayed by airless spray equipment with suitable thinner, also available in Aerosol spray cans
Dry Times:	Tack-free after 8hrs
Recoat:	Overnight

Surface Preparation:

Remove large rust and scale particles with a wire brush or sandpaper. Clean the surface thoroughly to remove dirt and dust; remove all traces of oil, grease and wax with mineral turpentine. Ensure surface is dry.

Application:

Shake or stir well before use. This product is ready-to-use. Do not dilute. Apply this product using a brush or roller. Apply a second coat to ensure complete transformation of rusty surfaces.

Coverage is approximately 8 to 10 m² per litre on a smooth, non-porous surface. Irregular, porous or textured surfaces may require more product.

The resulting coat will dry to a smooth, dark finish in 20 minutes. Allow 48 hours of cure time before applying the finished paint coat. For long-lasting protection of iron surfaces, the cured rust converter should be sealed with Biosymph's GilsoFlex™ or ClimoPlate™ (please see our website) or other high-quality oil-based paint. No other primer is required.

Clean up:

Application equipment should be cleaned immediately with mineral turpentine.

Do not return unused material to original containers.

Do not decant this product in metal containers.

Safety:

This product contains solvents and/or other chemical ingredients. Adequate health and safety precautions should be observed during all storage and use. Please refer to this product's MSDS for complete safety information (available on our website).

Limitations:

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use. Our liability (including liability for breach of warranty, strict liability in tort, negligence or otherwise) is limited exclusively to replacement of the product or refund of its price. Under no circumstance are we liable for incidental and consequential damages.

For more information or if you have any questions regarding special applications and require further advice, please do not hesitate to give us a call.

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Timber Stain & Preserver 100% NZ Gilsonite Roof Sealer & Paint