



VERSATHANE BRUSH GRADE

Issue No.03 May 2023

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PRODUCT DESCRIPTION

A high build solvent free polyurethane anticorrosive coating. Highly resistant to marine and industrial environments, buried conditions, ground water, effluents, salt water, and a wide range of oils and chemicals. Extremely abrasion resistant, high mechanical strength.

INTENDED USES

Designed for the efficient long term protection of steel and concrete structures in aggressive environments e.g. pipelines, chemical plants, land and marine structures etc. Service temperature range -20°C to +80°C

Meets the performance requirements of GIS/CW6:2020
Meets the performance requirements of BS EN 10290
Meets the performance requirements of AWWA C222
BS6920 WRAS Water Fittings Directory Certificate 2206509

TECHNICAL INFORMATION

Colour	Grey (18B21), Blue (18E53), Cream, additional colours available		
Finish	Semi-gloss		
Curing Agent	Versathane Hand Applied Activator		
Mix Ratio	3 parts Base : 1 part Activator by volume		
Specific Gravity	Base: 1.30	Activator: 1.22	Mixed: 1.28
Volume Solids	100%		
Recommended Film Thickness	1.0 - 1.5 mm depending on service conditions.		
Theoretical Spreading Rate	2 m ² / litre @ 500µm		
Application Method	Brush @ 300 - 500µm		
Re-coat	After 3 hours and within 24 hours of initial application.		
Drying Times at 20°C	Touch Dry 4 hours Hard Dry 8 hours		
Full Cure at 20°C	7 days or minimum shore D65		

SURFACE PREPARATION

Steel:

Ensure surfaces are free from contamination. Prepare surfaces by abrasive blast cleaning to ISO 8501-1 Sa 2 ½. - surface profile depth 75-100 microns.

Mechanical tools may also be used providing a surface profile of minimum 75 microns can be achieved. Do not polish/burnish the steel surface.

Overlap onto existing coatings: remove any loose material to establish a firm edge. Feather sound coating and abrade surface to provide a key. Thoroughly abrade to remove gloss, surface contaminants etc. by suitable method (sweep blasting, abrasive disk etc.)

Concrete:

Remove all laitance and other contaminants by blast cleaning. Ensure the concrete is dry to a reading of less than 10% moisture. Seal with Versacure Mortar LV Sealer.



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APPLICATION

The temperature of the substrate must be at least 3°C above the dew point during application and relative humidity below 80%.

Add hardener to base and stir thoroughly to a uniform mix. Decant into plastic bucket and re-stir prior to application. Apply evenly by brush to the required film thickness.

Use product within stated Pot Life 20 – 30 minutes at 20°C

Cleaning solvent. All equipment must be cleaned thoroughly immediately after use with **Pracsolv 1**

REGULATORY DATA

Packaging Supplied in 1 and 2 litre composite packs

Flash Point 200°C

VOC 0 g/litre

Shelf life: 24 months from date of manufacture when stored in the original sealed containers at 20°C. Hardener component contains Diisocyanates and as from 24.08.23 adequate training is required before industrial or professional use.

SAFETY PRECAUTIONS

Refer to the product Material Safety Data Sheet supplied by Advanced Barrier Coatings Ltd. Ensure all waste materials and empty containers are disposed of in accordance with local regulations.

Disclaimer

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