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EPIMASTIC MT (L1078)

PRODUCT DESCRIPTION

A two pack high build surface tolerant coal tar epoxy that combines the toughness, abrasion resistance and chemical resistance of a high performance epoxy resin with the excellent water resistance of coal tar. Epimastic MT has the benefit of being moisture tolerant (can be applied to damp substrates), surface tolerant (non immersed steelwork does not require abrasive blast cleaning), excellent water resistance, high build application (reduces application costs) and it meets the performance requirements of BS 5493 KF3.

USES

Epimastic MT can be used in under-water areas (e.g. jetties, piles, barges etc.), crude oil and crude oil/ballast tanks. Long term storage protection of steel exposed to rain in marine atmospheres etc. and pipeline exteriors. At recommended film thickness, please allow a minimum of 48 hours at 20°C prior to immersion of the coating.

TECHNICAL PROPERTIES

Colour	Black		
Finish	Slight Sheen		
Curing Agent	Epimastic MT Curing Agent (519015)		
Mix Ratio	6:1 by volume Base : Curing Agent		
Specific Gravity	1.31		
Volume Solids	70%		
Recommended Film Thickness	178-286 μ WFT / 125-200 μ DFT		
Theoretical Spreading Rate	4-6 m ² /litre		
Application Method	Brush, Roller, Spray		
Flash Point	Base 28°C, Mixed 34°C		
VOC	250g/lit. (Mixed)		
Drying Times	10°C	20°C	30°C
Touch Dry	6 hours	4 hours	3 hours
Hard Dry	24 hours	12 hours	8 hours
Minimum Overcoat	24 hours	12 hours	8 hours
Maximum Overcoat	Indefinite	Indefinite	Indefinite

CERTIFICATION/APPROVALS

RECOMMENDED SYSTEMS One coat system

SURFACE PREPARATION

- Steel:** The performance of this product is directly related to the degree of surface preparation. For maximum performance the surface should be degreased to a minimum standard of SSPC-SP1 and then abrasive blast cleaned to a minimum standard of SA 2½ ISO 8501-1:1998. This product can then be applied either on top of a compatible epoxy primer or direct to metal. The surface profile of the blasted surface should be 35-85 microns. If grit blasting is not possible, then wire brush to a minimum standard of ISO 8501-1:1998 ST 2 . Remove all poorly adhering paint, loose rust, mill scale, oil and grease prior to applying this coating.
- Masonry & Concrete:** Remove all laitance and loose surface contaminants by sweep blasting. Thin the first coat 20% by volume to ensure good penetration.
- Existing Coatings:** If this product is being applied over an existing aged coal tar epoxy, remove surface contamination by detergent or high pressure water jetting, and lightly abrade the surface by sweep blasting or rubbing with sand paper or mechanical abraders.

PRODUCT APPLICATION

- Mixing** 6 parts Base to 1 part Curing Agent by volume. Mix well before use. Pot life 4 hours @ 25°C.
- Thinners** Thinner No.5
- Brush** Recommended. Multiple coats will be required to reach recommended dry film thickness.
- Roller** Recommended. Multiple coats will be required to reach recommended dry film thickness.
- Airless Spray** Thin up to 20% by volume with Thinner No.5 Use tip 0.53-0.67 mm , air pressure 2400-2800 psi.
For immersed steelwork it is recommended to apply a minimum of two coats.
- Cleaner** Thinner No.5
- Cleanup Considerations** All equipment should be cleaned immediately after use with Thinner No.5
It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied.
Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

HEALTH, SAFETY & ENVIRONMENTAL

- This product must be used in accordance with the Material Safety Data Sheet.
The user must observe local health, safety and environmental regulations when using this product.
Consult if there are any concerns over the suitability of this product.

PACK SIZES

- 5 litre (composite)

PACK WEIGHTS

- 5 litre (mixed): 7.0kg

STORAGE CONDITIONS

- Store away from extremes of temperature. Shelf life of minimum 12 months in unopened containers.
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LIMITATIONS

This product is not resistant to aromatic and aliphatic solvents which may cause some discolouration. If it is being applied to a damp substrate, airless spray should not be used, brush or roller application is recommended. This product is moisture tolerant but excess water should be wiped from the substrate prior to application.

At 125-200µm total DFT please allow a minimum of 48 hours at 20°C prior to immersion, as this will limit the amount of discolouration seen. Please note this product will discolour from black to brown during immersion, however this will not affect the performance of the coating.

DISCLAIMER

The information given in these specifications and technical advice - whether verbal, or in writing or by way of trials is for guidance only and is given in good faith, but without warranty. This also applies where proprietary rights or third parties are involved. Any person using these products without first making further enquiries as to the suitability of the products for the intended purpose and testing the products to assess their fitness for the purpose does so at their own risk. The application, use and processing of the products are beyond our control and are therefore your own responsibility, and we can accept no liability for the performance of the products arising out of such use, beyond the value of the goods delivered by us. The information contained in these data sheets is liable to modification from time to time in the light of experience and our policy of continuous development.

It is the user's responsibility to ensure that this sheet is current prior to using the product.