



Protectomastic XL- MIO

USES

A high performance industrial anticorrosive surface tolerant coating specially designed for use on power plants structures and exterior of pipelines, off shore structures, cranes, paper and pulp plants, oil-gas and petrochemical industries, power plants, bridges, silos etc.

SCOPE

A low VOC, two component, flexible high build surface tolerant coating with reinforced with Aluminium and special Micaceous-Iron-Oxide pigments for improved corrosion resistance and extended temperature resistance. Ideal for use even on hydro-blasted structures in maintenance painting.

PRODUCT DATA

Type : Two Pack

Composition : Epoxy Resin reinforced with Aluminium and Micaceous-Iron-Oxide pigments

Mixing Ratio: Base: catalyst; 4:1

Pot Life: 1- 2 hours

Application : Brush, Airless spray

Recommended DFT : 100- 150 microns per coat

Recommended WFT: 118- 176 microns per coat

Theoretical Spreading Rate : 5.7 - 8.5 sq. mtr./ltr.

Drying Time :

TOUCH : 2-3 hours @ 30°C

HARD DRY : overnight

Overcoating Interval :

MIN : overnight

MAX : one week

Colour : Silver

Finish : Egg-shell

Packing : 20 Ltrs.

Thinner: Thinner 844

Storage Life : Upto 12 months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

RESISTANCE GUIDE

Chemical Resistance :

EXPOSURES	SPLASH & SPILLAGE	MILD FUMES / OUTDOOR RESISTANCE
Acids	Good Very	Very Good
Alkalis	Good Very	Excellent
Solvent	Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Note: Not recommended for strong alkalis or for immersion services

Temperature Resistance :

Continuous : 1200

Intermittent C :

Weatherability: Excellent with top coats

Flexibility : Excellent

Abrasion Resistance : Excellent

DATA SHEET No. : 135

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SURFACE PREPARATION

Steel: Remove grease, oil and other contaminants preferably by Solvent Cleaning to SP 1. Abrasive blast clean to a minimum of SSPC SP10. For severe corrosive conditions, blast to SSPC SP 5 with a surface profile not exceeding 35- 45 microns. If blasting is not practical, make full use of mechanical tools along with manual chipping and wire brushing to remove loose rust and scale to SSPC SP 2 / SP3. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces. The surface should be clean and dry before application of primer. Hydro-blasting for maintenance structures is preferred choice where there are heavy deposits of contaminants. Ultra-high pressure hydro-blasting equivalent with light flash rusting as per standards NACE NO. 5 or SSPC SP 12- WJ2 and NV2 as referred in SSPCvis- 5 pictorial standard.

APPLICATION

Stir the components thoroughly and then mix the base and catalyst in recommended proportion to uniform consistency. Allow it to mature for 10 minutes and stir again before use and during application. Brush : Apply preferably without thinning. However, if required during application, add upto 5% Thinner 844. Brushing is recommended for touching up small areas only.

Airless Spray : Apply preferably without thinning. However, upto 5-7% Thinner 844 may be added if absolutely essential depending on conditions. Use any standard equipment having pump ratio not less than 56:1. Tip size : 0.45 - 0.58 mm. Tip Pressure : not less than 176 Kg / cm² [2500psi]

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Protectomastic XL-MIO	Epilux 155 /Epilux 4 HB/ Epilux 950 Super	Epilux 155 /Epilux 4 HB/ Epilux 950 Super
Steel	Protectomastic XL-MIO	Bergerthane Finish	Bergerthane Finish

Precaution :

1. Do Not apply in rain, fog or mist and when the surface temperature is 500C and above.
2. Freshly mixed material must not be added to that which has been mixed for sometime.
3. Do not apply in temperature below 100 C and relative humidity above 85%.
4. Clean all equipment with Thinner 844 immediately after use.
5. Do not apply when the substrate temperature is less than 30C than the dew point temperature

DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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