

## TECHNICAL DATA SHEETS

### PERMOGLAZE EPOXY MIO ENAMEL

<b>DESCRIPTION</b>	Permoglaze Epoxy MIO Enamel is a two-component solvent-based polyamide-cured paint for steel. It is formulated as an intermediate or finish coat. It contains top quality lamellar micaceous iron oxide pigment to provide excellent corrosion protection properties and long exterior durability in industrial and marine environments.		
<b>CHARACTERISTICS</b>	<ul style="list-style-type: none"> <li>• Cures to a hard film with good adhesion and abrasion resistance</li> <li>• Good anti-corrosive properties</li> <li>• Good resistance to aliphatic and aromatic solvents, ethanol, gasoline and diesel oil</li> <li>• Resistant to diluted acids and alkalis</li> <li>• It can be overcoated with itself or with <b>Permoglaze Epoxy Enamel</b>, <b>Permoglaze Two Pack Acrylic Enamel</b> and <b>Permoglaze Polyurethane HQ Enamel</b></li> </ul>		
<b>COMPOSITION</b>	Polyamide-cured epoxy		
<b>SURFACE PREPARATION</b>	<ul style="list-style-type: none"> <li>• Surfaces must be dry and moisture content of surface should not be more than 10 % when measured with a moisture meter.</li> <li>• All areas must be free of rust, dirt, dust, grease, oil and loose paint.</li> <li>• Moisture content of surface should not be more than 10 % when measured with a moisture meter.</li> <li>• Steel surfaces must be mechanically abraded to bright steel or sand blasted and primed.</li> <li>• Bare steel must be primed within <math>\pm 4</math> hours after cleaning (sand blasting or mechanical abrasion). The steel must be free of condensed moisture and dew. In case of cool temperature and high ambient humidity, the steel surface must be warmed with a hot air blower before painting to achieve maximum coating performance.</li> </ul>		
<b>APPLICATION</b>	Method	Brush, Short pile Roller & Airless Spray.	
	Thinning & Cleaning	Permoglaze Epoxy Thinner.	
		Brush	Ready for use after mixing.
		Short pile Roller	Ready for use after mixing.
		Airless Spray	Ready for use after mixing.
<b>PRODUCT INFORMATION</b>	Finish	Matt	
	Appearance	Viscous grey liquid	
	Mixing Ratio (By Volume)	Base (3) Hardener (1)	
	Pot Life	$\pm 4$ hours for 5 litres of mix at 25°C	
	Solid Content of Mix by Volume (Undil.)	60%	
	Recommended Wet Film Thickness ( $\mu\text{m}$ )	100	
	Approximate Dry Film Thickness ( $\mu\text{m}$ )	60	
	Flash Point of Base	25°C	
	Flash Point of Hardener	25°C	
	Spreading Rate	$\pm 8-10\text{m}^2/\text{Litre}$	

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Drying Time	Touch Dry	± 1 hour at 25°C
	Hard Dry	± 4 hours at 25°C
	Recoating Time	4-12 hours (without sanding) >12 hours (with sanding)

#### PRECAUTIONS

- The air temperature must not be below 10°C and not higher than 35°C. Humidity must not be below 10% and not higher than 85%.
- Base must be fully stirred before adding the hardener.
- Thorough stirring is necessary after mixing the components.
- Cure is slow at low temperatures.
- Heat increases reaction rate and shortens pot life and curing time.
- To avoid films defects, wet film thickness should not exceed 75µm.
- Dilution increases pot life.
- During application, mixing of the prepared and diluted paint will prevent separation of heavy pigments.

#### PACKAGING

Available in 1 & 5 litres

#### STORAGE

Store in a cool, dry and well-ventilated place.

#### SAFETY, HEALTH & ENVIRONMENT INFORMATION

- Highly inflammable.
- Keep away from heat, sparks and open flames.
- Handle with care
- Ensure good ventilation during application.
- In case of insufficient ventilation during painting, wear suitable respiratory equipment.
- Avoid contact with skin and eyes.
- If contact with skin occurs, wash well with soap and water
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Keep out of reach of children.
- Do not use empty paint containers for storing foodstuffs.
- Do not throw paint containers or contents in the waterways or environment.
- Contains no added **Lead/Mercury/Nickel/Cadmium**.

For further information, kindly contact our Technical Information Service.

**Note:** This Technical Data Sheet is subject to change without prior notice.

#### DISCLAIMER

This data sheet is based on extensive lab tests and field use. However, if used under unspecified conditions, the performance of the product may differ. We can only guarantee the quality of the product as supplied in its original closed container.