

## TECHNICAL DATA SHEETS

### PERMOGLAZE EPOXY SOLVENT FREE ENAMEL

<b>DESCRIPTION</b>	Permoglaze Epoxy Solvent Free Enamel is a two-component polyamine- cured epoxy resin. It can be applied on properly prepared and primed steel surfaces, concrete, wood and derivatives and glass reinforced polyester (GRP) surfaces. It cures to a hard film.	
<b>CHARACTERISTICS</b>	<ul style="list-style-type: none"> <li>• Cures to a hard film with good adhesion and abrasion resistance</li> <li>• Good resistance to aliphatic and aromatic solvents, ethanol, gasoline and diesel oil</li> <li>• Resistant to diluted acids and alkalis</li> <li>• Polyamine-cured epoxies have a tendency to yellowing and chalking on external exposure</li> <li>• Provides high film thickness</li> </ul>	
<b>COMPOSITION</b>	Polyamine-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 dirt, dust, rust, grease, oil and loose paint.</li> <li>• Cured epoxy primers or undercoats and polyester should be sanded before overcoating to improve inter-coat adhesion</li> </ul>	
<b>APPLICATION</b>	Method	Brush & Short Pile Roller
	Thinning & Cleaning	For certain jobs, thinning may be required to ease application and increase pot life. Use <b>Permoglaze Epoxy Thinner</b> at 10-20% by volume.
		Brush Ready to use after mixing. Use stiff brush
		Roller Short pile roller. Ready to use after mixing.
<b>PRODUCT INFORMATION</b>	Finish	Gloss
	Appearance	Viscous and slightly thixotropic
	Mixing Ratio (By weight)	Base (4) Hardener (1)
	Pot Life	20-25 minutes at 25°C for 1 litre of mix. Curing reaction is exothermic (produces heat). 1 litre of unused mix will harden within 25 minutes. Its temperature will rise considerably, and it will emit aggressive fumes. Mix only the amount to be used within 20 minutes
	Solid Content of Mix by Volume (Undil.)	100%
	Flash Point of Base	25°C
	Flash Point of Hardener	25°C
	Spreading Rate	± 8-10m <sup>2</sup> /Litre
	Drying Time	Touch Dry ± 3 hours at 25°C Hard Dry ± 8 hours at 25°C Recoating Time 8 hours minimum 24 hours maximum (without sanding) > 24 hours (with sanding)

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<b>PRECAUTIONS</b>	<ul style="list-style-type: none"><li>• 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%.</li><li>• Base must be fully stirred before adding the hardener.</li><li>• Thorough stirring is necessary after the components are mixed.</li><li>• Cure is fast.</li><li>• Heat increases reaction rate, shortens pot life and curing time.</li><li>• To avoid film defects (sagging on vertical surfaces), wet film thickness should not exceed 200µm</li></ul>
<b>PACKAGING</b>	Available in 1, 5 & 20 litres
<b>STORAGE</b>	Store in a cool, dry and well-ventilated place.
<b>SAFETY, HEALTH &amp; ENVIRONMENT INFORMATION</b>	<ul style="list-style-type: none"><li>• Highly inflammable.</li><li>• Keep away from heat, sparks and open flames.</li><li>• Handle with care</li><li>• Ensure good ventilation during application.</li><li>• In case of insufficient ventilation during painting, wear suitable respiratory equipment.</li><li>• Avoid contact with skin and eyes.</li><li>• If contact with skin occurs, wash well with soap and water</li><li>• In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.</li><li>• Keep out of reach of children.</li><li>• Do not use empty paint containers for storing foodstuffs.</li><li>• Do not throw paint containers or contents in the waterways or environment.</li><li>• Contains no added <b>Lead/Mercury/Nickel/Cadmium</b>.</li></ul>

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.