

## TECHNICAL DATA SHEETS

### PERMOGLAZE EPOXY ENAMEL

<b>DESCRIPTION</b>	Permoglaze Epoxy Enamel is a two-component solvent-based polyamide-cured epoxy enamel for steel, wood, concrete and Glass Reinforced Polyester (GRP) surfaces.	
<b>CHARACTERISTICS</b>	<ul style="list-style-type: none"> <li>• Recommended for interiors only.</li> <li>• Cures to a resilient glossy film with good adhesion and abrasion resistance</li> <li>• Good resistance to aliphatic and aromatic solvents, ethanol, gasoline and diesel oil</li> <li>• Suitable for all types of properly prepared and primed steel, wood, concrete and GRP surfaces</li> <li>• Can be used for seamless flooring and wall coatings in light industrial environments where good hygiene is required</li> <li>• Resistant to diluted acids and alkalis</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 dirt, dust, rust, grease, oil and loose paint.</li> <li>• For ferrous substrates, prime with the <b>Permoglaze</b> range of epoxy primers.</li> <li>• Apply <b>Permoglaze Epoxy Zinc Rich Primer</b> on sandblasted steel.</li> <li>• Apply Permoglaze Zinc Phosphate Primer, Permoglaze HT Primer and <b>Permoglaze Zinc Chromate Primer</b> on sandblasted or mechanically abraded and derusted steel. Follow with one coat of <b>Permoglaze Epoxy Undercoat</b>.</li> <li>• For aluminium and galvanized steel, prime with <b>Permoglaze Two Pack Etch Primer</b>.</li> <li>• For wood surfaces, apply either Permoglaze Epoxy Primer/Sealer or <b>Permoglaze Epoxy Undercoat</b>.</li> <li>• For concrete surfaces, apply either on top of <b>Permoglaze Epoxy Sealer/Varnish</b> or directly to the bare dry and etched concrete.</li> <li>• For GRP, apply directly on the dry, degreased and abraded gelcoat or on top of <b>Permoglaze Epoxy Undercoat</b>.</li> </ul>	
<b>APPLICATION</b>	Method	Brush, Short Pile Roller, Air Spray & Airless Spray
	Thinning & Cleaning	Permoglaze Epoxy Thinner.
		Brush ready for use
		Short pile roller ready for use
		Air Spray 15-25%
		Airless Spray 10%

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<b>PRODUCT INFORMATION</b>	Finish	Gloss		
	Appearance	White and colours		
	Mixing Ratio (By Volume)	Base (3)	Hardener (1)	
	Pot Life	± 4 hours for 5 litres of mix at 25°C		
	Solid Content of Mix by Volume (Undil.)	64%		
	Flash Point of mix	25°C		
	Spreading Rate	± 8-10m <sup>2</sup> /Litre		
	Drying Time	Touch Dry	± 1 hour at 25°C	
		Hard Dry	± 4 hours at 25°C	
		Recoating Time	4 hours minimum 12 hours maximum (without sanding) >12 hours (requires sanding before overcoating)	

<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>• The product is not recommended for exterior applications</li> <li>• Do not apply to surfaces which are damp or wet.</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 slow at low temperatures.</li> <li>• Heat increases reaction rate while shortening pot life and curing time.</li> <li>• To avoid films defects, wet film thickness should not exceed 100µm.</li> <li>• Might exhibit slight yellowing and chalking in certain circumstances without impairing its protective characteristic and durability</li> <li>• Dilution increases pot life.</li> </ul>
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<b>PACKAGING</b>	Available in 1,5 & 20 litres
<b>STORAGE</b>	Store in a cool, dry and well-ventilated place.

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#### 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.