

## TRANSCOAT 3831 MIO Polyamide Epoxy

<b>Product Description</b>	High build polyamide cured epoxy, containing micaceous iron oxide.	
<b>Recommended Use</b>	Economical long-term protection for industrial and marine atmospheric exposure.	
<b>Characteristics</b>	<ul style="list-style-type: none"> <li>• Build coat or finish coat for the protection of steel and concrete in structure exposed to aggressive atmospheric conditions.</li> <li>• Resists splash, spillage and fumes of mild acids, salts solutions and solvents.</li> <li>• May be topcoated with polyurethane to improved gloss and colour retention.</li> </ul>	
<b>Physical Data</b>	<p><b>Colour</b></p> <p><b>Gloss level</b></p> <p><b>Volume Solid</b></p> <p><b>Dry Film Thickness</b></p> <p><b>Number of Coat</b></p> <p><b>Theoretical Coverage</b></p> <p><b>VOC</b></p> <p><b>Flash Point</b></p> <p><b>Shelf Life</b></p> <p><b>Pack Size</b></p> <p style="padding-left: 20px;">5 litres unit</p> <p style="padding-left: 20px;">20 litres unit</p>	<p>Selected Range of Colours</p> <p>Flat</p> <p>Approx. 66%</p> <p>125 microns per coat</p> <p>1</p> <p>5.20 sq.m/ltr for 125 microns</p> <p>308 g/ltr</p> <p>Base : 25<sup>o</sup>C</p> <p>Hardener : 27<sup>o</sup>C</p> <p>At least 12 months</p> <p>Base : 4 litres , Hardener : 1 litre</p> <p>Base : 16 litres , Hardener : 4 litres</p>
<b>Surface Preparation</b>	<p><b>Steel</b></p> <p>Refer to specific instruction for primer coats being used for application. All previous coats must be clean and dry. Old coating system must be roughened, cleaned and dry.</p> <p><b>Concrete</b></p> <p>Abrasive blast to ASTM D 4259. No primer normally required.</p>	
<b>Application Data</b>	<p><b>Application Methods</b></p> <p>Airless Spray</p> <p style="padding-left: 20px;">Nozzle Tip : 0.46 - 0.58 mm (0.018 - 0.023 inch)</p> <p style="padding-left: 20px;">Nozzle Pressure : 10 MPa (approx. 1400 psi)</p> <p>Conventional Spray</p> <p style="padding-left: 20px;">Nozzle Tip : 1.8 - 2.0 mm (0.071 - 0.079 inch)</p> <p style="padding-left: 20px;">Nozzle Pressure : 0.3 MPa (approx. 43 psi)</p> <p>Brush or Roller Only for touch up and for first coat to concrete surfaces</p> <p><b>Mixing Ratio By Volume</b> : Base : Hardener = 4 : 1</p> <p><b>Thinner</b> : Thinner Trans 650</p> <p><b>Cleaner</b> : Thinner Trans 120</p> <p><b>Surface Temperature</b> : Should be 10<sup>o</sup>C - 49<sup>o</sup>C, at least 3<sup>o</sup>C above the dew point to prevent condensation</p>	

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<b>Drying Time</b>	
Touch Dry	2 hours at 25°C, 1 hour at 32°C
Through Dry	10 hours at 25°C, 5 hours at 32°C
<b>Overcoating Interval</b>	
Minimum	10 hours at 25°C, 5 hours at 32°C
Maximum	Unlimited (must be roughened)
<b>Pot Life</b>	4 hours at 25°C, 2 hours at 32°C

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**System Compatibility**

**Primer**

- Transcoat 95 / Transcoat 95 FT
- Transcoat 3850
- Transcoat 710 ZP

**Topcoat**

- Transcoat 4502 GL

For other suitable primer or topcoats, please consult Transcoat Protective Coating.

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**Safety Precaution**

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use.

Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard.

Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.

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**Disclaimer**

The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.

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