

## TRANSCOAT 4502 GL

### Polyurethane Gloss

<b>Product Description</b>	A two components acrylic aliphatic polyurethane gloss finish coat.	
<b>Recommended Use</b>	Polyurethane finish coat where attractive appearance and a wide range of protection is required.	
<b>Characteristics</b>	<ul style="list-style-type: none"> <li>• Excellent gloss and colour retention.</li> <li>• Outstanding weather resistance with excellent colour and gloss retention.</li> <li>• Resistance to broad range of corrosive atmospheres.</li> <li>• Excellent resistance to atmospheric exposure.</li> <li>• Hard, tough and abrasion resistance.</li> <li>• Good resistance to splash and spillage of acids, alkalies, salt solutions and aliphatic petroleum products.</li> <li>• Can be recoated even after long atmospheric exposure.</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>Temperature Resistance</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;">8 litres unit</p> <p style="padding-left: 20px;">20 litres unit</p>	<p>Available On Request</p> <p>Gloss</p> <p>Light Colour, approx. 49%</p> <p>Dark Colour, approx. 45%</p> <p>40 - 60 microns per coat</p> <p>1 or 2</p> <p>Light Colour, 9.80 m<sup>2</sup>/ltr for 50 μ</p> <p>Dark Colour, 9.00 m<sup>2</sup>/ltr for 50 μ</p> <p>Continuous : 93°C (dry)</p> <p>Intermittent : 121°C (dry)</p> <p>230 g/ltr</p> <p>Base : 29°C</p> <p>Hardener : 38°C</p> <p>At least 12 months</p> <p>Base : 7.0 litres , Hardener : 1.0 litre</p> <p>Base : 17.5 litres , Hardener : 2.5 litres</p>
<b>Surface Preparation</b>	Refer to specific instructions for primer and intermediate coats being used for application. All previous coats must be clean and dry. Old coating system must be roughened, cleaned and dry.	
<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 Recommended</p>	

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Mixing Ratio By Volume	Base : Hardener = 7 : 1
Thinner	Thinner Trans 90
Cleaner	Thinner Trans 120
Surface Temperature	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
Drying Time	
Touch Dry	1 hour at 25 <sup>o</sup> C, 30 minutes at 32 <sup>o</sup> C
Trough Dry	7 hours at 25 <sup>o</sup> C, 4 hours at 32 <sup>o</sup> C
Overcoating	
Minimum	4 hours at 25 <sup>o</sup> C, 2 hours at 32 <sup>o</sup> C
Maximum	Unlimited
Full Cure	7 days
Pot Life	18 hours at 25 <sup>o</sup> C, 8 hours at 32 <sup>o</sup> C

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**System Compatibility**

**Primer**

- Transcoat 710 ZP
- Transcoat 3850
- Transcoat 4000
- Trans Etch
- Transcoat 1850

For other suitable primers or intermediates, 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.