TRANSCOAT 5575 HCR GLOSS
Epoxy Finish

Product Description
A two components epoxy top coat which has high chemical resistance coating (oxidizing acids, bases, solvent, chlorinated hydrocarbon and methanol-gasoline mixture) and elevated temperature service application.

Recommended Use
As topcoat on the substrate steel surface, mortars, floor and concrete.

Characteristics
- Excellent chemical resistance and solvent.
- Very good adhesion.
- Impact resistance.
- Not for inner chemical tank (substrate immersed).
- Hard and abrasion resistance.

Physical Data

<table>
<thead>
<tr>
<th>Colour</th>
<th>Available on Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gloss Level</td>
<td>Gloss</td>
</tr>
<tr>
<td>Volume Solid</td>
<td>70 ± 2%</td>
</tr>
<tr>
<td>Dry Film Thickness</td>
<td>50 microns per coat</td>
</tr>
<tr>
<td>Number of Coat</td>
<td>1</td>
</tr>
<tr>
<td>Theoretical Coverage</td>
<td>14 sq.m/ltr for 50 microns (dry)</td>
</tr>
<tr>
<td>Temperature Resistance</td>
<td>Continuous : 93°C (dry)</td>
</tr>
<tr>
<td></td>
<td>Intermittent : 120°C (dry)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Base : 29°C</td>
</tr>
<tr>
<td></td>
<td>Hardener : 27°C</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>12 months</td>
</tr>
<tr>
<td>Pack Size</td>
<td>1 hour at 32°C</td>
</tr>
<tr>
<td>5 litres unit</td>
<td>Base : 3.75 ltrs Hardener : 1.25 ltrs</td>
</tr>
<tr>
<td>20 litres unit</td>
<td>Base : 15.0 ltrs Hardener : 5.0 ltrs</td>
</tr>
</tbody>
</table>

Surface Preparation
Remove any oil, grease or dirt from the surface (steel or FRP) with Thinner Trans 120 (Cleaner).

Application Data

Application Methods
- Airless Spray
  - Nozzle Tip: 0.46 - 0.58 mm (0.018 - 0.023 inch)
  - Nozzle Pressure: 10 MPa (approx. 1400 psi)
- Conventional Spray
  - Nozzle Tip: 1.8 - 2.0 mm (0.071 - 0.079 inch)
  - Nozzle Pressure: 0.3 MPa (approx. 43 psi)
Mixing Ratio
Base : Hardener = 3 : 1
Mixing Direction
The component should be mixed least 1 - 2 minutes. Add thinner approximately 20% from total paint volume or to reach viscosity for spray 12 - 14 NK2 Cup. Mix again 1 - 2 minutes.

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Thinner               Thinner Trans 80
Cleaner              Thinner Trans 120
Surface Temperature   Should be 10°C - 60°C, at least 3°C above
                      the dew point to prevent condensation.
Drying Time
Touch Dry            2 hours at 30°C
Hard Dry             12 hours at 30°C
Full Cure            7 days
Pot Life             3 hours at 25°C, 2 hours at 32°C
Caution              The mix components should be used before 3 hours after mixing, because 4
                      hours after mixing the material will be gelling or became hard.

System Compatibility
On the Steel substrate
Primer            Transcoat 710 ZP - Epoxy Primer
Intermediate    Transcoat 4000 or Transpox Surfacer
Top Coat            Transcoat 5575 - HCR Gloss
On the Concrete, Floor and Mortar substrate
Primer  Transfloor P 110
Top Coat Transcoat 5575 - HCR Gloss
For other suitable system compatibility, please consult Transcoat Protective Coating.

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.

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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