

TRANSCOAT 5576 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.

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

Physical Data	Colour	Available on Request	
	Gloss Level	Gloss	
	Volume Solid	66 ± 2%	
	Dry Film Thickness	50 microns per coat	
	Number of Coat	1	
	Theoretical Coverage	14 sq.m/ltr for 50 microns (dry)	
	Temperature Resistance	Continuous	: 93°C (dry)
		Intermittent	: 120°C (dry)
	Flash Point	Base	: 29°C
		Hardener	: 27°C
	Shelf Life	12 months	
	Pack Size	1 hour at 32°C	
		5 litres unit	Base : 3.33 ltrs Hardener : 1.67 ltrs
20 litres unit		Base : 13.33 ltrs Hardener : 6.67 ltrs	

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 = 2 : 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 90
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 5576 - HCR Gloss

On the Concrete, Floor and Mortar substrate

Primer	: Transfloor P 110
Top Coat	: Transcoat 5576 - 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.