

TRANSCOAT 2000 HR

Fire Proof Epoxy

Product Description	Transcoat 2000 HR is designed to fireproof steelwork for up to a 4 hour fire rating, depending on the design. The recommended use for this product is fireproofing of steel beams, columns, pressurized and non pressurized spheres, tanks and railcars to provide hydrocarbon pool fire and jet fire ratings	
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Characteristics	<ul style="list-style-type: none"> • UL listed - designs for many types of steel sections up to 4 hour fire ratings for both interior and exterior environments. • Durable finish - provides a hard, durable finish resistant to normal wear. • Thin film coating - offers an economical solution to alternative fire proofing. • VOC compliant • Easy Repair - if damaged it can be repaired easily using material as putty. 	
Physical Data	Colour	Beige
	Gloss Level	Gloss
	Volume Solid	Approx. 95%
	Dry Film Thickness	50 microns percoat
	Number of Coat	3
	Theoretical Coverage	40 sq.m/ltr for 25 microns
	Temperature Resistance	Maximum : 79°C (dry)
	VOC	441 g/ltr
	Flash Point	36°C
	Shelf Life	At least 12 months
	Pack Size	5 litres; 20 litres
Surface Preparation	<p>Steel Remove all oil or grease from the surface to be coated using Thinner 2 Surface Cleaner.</p> <p>Steel preparation before application of approved primer should meet SSPC-SP6 (onshore), SSPC- SP10 (offshore). 1.5-2.0 mil (37-50 micron) angular profile required.</p> <p>*The thickness range for primers used under Transcoat 2000 HR must be 3-5 mils (75-125 microns) DFT per SSPC-PA2</p> <p>Galvanized Steel Steel preparation before priming should meet SSPC-SP7. 1.5-2.0 mil (37-50 micron) angular profile required. Prime with Carboguard 893 SG @ 3-5 mils (75-125 microns) DFT per SSPC-PA2.</p> <p>Non-Ferrous Metals Contact Transcoat Technical Service for advice.</p>	

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Application Data

Application Methods

Airless Spray

Nozzle Tip

0.39 - 0.65mm(0.015 - 0.021inch)

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)

Brush or Roller

Only for touchup

Mixing Ratio

One component

Thinner

Thinner Trans 620

Cleaner

Thinner Trans 120

Surface Temperature

Should be 10°C-49°C, at least 3°C above the dew point to prevent condensation

Drying Time

Touch Dry

30 minutes at 25°C, 15 minutes at 32°C

Through Dry 2 hours at 25°C, 1 hour at 32°C Overcoating

4 hours at 25°C, 2 hours at 32°C

System Compatibility

Primer (operating temperature up to 400°C)

Transcoat 95

Transcoat 95 FT

Transcoat SP 2005

For other suitable primers, please consult Transcoat Protective Coating.

Safety Precaution

- Flush static mixer, whip hose, gun and tips with hot water approved thinner immediately after each use (depending on pump set up). Use Thinner approved equal for cleaning solvent. Break down static mixer, gun and tip assembly and hand clean.
- Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workman like safety precautions ventilation. Keep Use adequate container closed when not in use.
- All adjacent and finished surfaces shall be protected from damage and overspray. When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved respirator.- This product does not contain flammable solvents, however, clean-up solvents that may be used do contain flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workers should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

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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 product itself. 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.

