

TRANSCOAT 4100 T

Solvent Free Pigmented Epoxy

Product Description	Two pack high build solvent free epoxy coating capable of underwater curing.	
Recommended Use	Corrosion protection of metal, concrete render, masonry in extremely aggressive environments. Suitable for rehabilitation of corroded steel and concrete in the tidal zone. May be used where curing below 10 ⁰ C is required and over damp surfaces. Transcoat 4100 T cures rapidly both in air and under water.	
Characteristics	<ul style="list-style-type: none"> • Durable, impermeable solvent free coating with excellent resistance to salt and fresh water. • Resists solvents and wide range of chemicals. • Waterproof on concrete floor, thickness 1.000 microns ~ 1 mm. • Cures down to 0⁰C and also under water. • Smooth hard surface, highly abrasion and impact resistance resists underscore corrosion on steel. 	
Physical Data	Colour	Greenish Grey
	Volume Solid	100%
	Dry Film Thickness	250 microns for steel 1.000 microns for waterproof on concrete floor
	Theoretical Coverage	40.0 sq.m/ltr per coat at 25 microns 4.0 sq.m/ltr per coat at 250 microns When computing working coverage, allow for application losses, surface irregularities, etc.
	Pot Life	After mixing: ½ - 1 hour at 20 ⁰ C. Increased temperature will reduce pot life.
	Shelf Life	Approximately 12 months, provided contents are kept tightly sealed and stored below 35 ⁰ C
	Curing Time	Hardens progressively after several days. Increased temperatures will accelerate curing.
	Pack Size	5 liters; 20 liters
Performance Data	Weather	Excellent. Superficial chalking may occur, but this does not affect the integrity of the coating. Abrasion. The cured film is hard, abrasion-resistant and resists mechanical damage. Coefficient of abrasion; 33 ASTM D968/51 (1966).
	Adhesion	Excellent. Detachment from common substrates will not occur under normal conditions of use.

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Immersion

Recommended for salt and fresh water immersion

Temperature

Dry service temperature range up to 120°C

Weldability

Not suitable. Leave weld margins

Specifications

Since Transcoat 4100 T is suitable for use on a wide range of substrates with varying service requirements, exhaustive specification details cannot be readily given in this data sheet. For general application details, see Application Data. For definite specification advice, consult our technical division.

Application Data

Surface Preparation

All surfaces to be coated should be thoroughly cleaned of grease, foreign matter and loose superficial material.

Steel substrates should receive the best preparation possible in the circumstances before coating, that is ideally abrasive blast cleaning or acid descaling in accordance with AS 1627:4, Class 3, or AS 1627:5 respectively, or other effective means if these are not practicable.

Concrete, cement render, and masonry substrates should be prepared where possible by removal of laitance, and etching by chemical or mechanical means.

The service performance of Transcoat 4100 T when used as a maintenance coating depends on the thoroughness with which the underlying substrate has been prepared.

For specific recommendations for the preparation of other substrates, consult Transcoat Protective Coating.

Mixing

Stir the contents of each container separately. Add the total contents of the cure container into the total contents of the resin container. Thoroughly blend until no colour differential is apparent.

Brushing

Use short stiff bristle brush. Mastic application techniques should be used.

Trowelling

May be applied by trowel or flat blade.

Underwater Application

Apply with gloved hand

Safety Precaution

Transcoat 4100 T is non-flammable and presents no fire hazard during application.

Apply Over Metal, Masonry, Timber

Apply By Brush, Blade, Roller, Hand

No. of Components 2

Mixing Ratio One part cure to 4 part resin by volume

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Thinner	Thinner Trans 650
Drying Time	Tack-free in 2 hours at 20°C Hard dry in 48 hours

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.
