



Technical Data Sheet

THERMACOOL 0.3M

Product Description

2 pack premium quality Acrylic-PU Heat Reflective Coating

Recommended Usage

- Heat Reflective Coating for metal surfaces such as metal roofs and metal claddings
- Excellent durability with gloss and colour retention
- Easily applied by brush, roller and Airless spray wherever needed

Technical Data

Colour	:	White
Gloss	:	Glossy
Mixing by Volume*	:	Base Part A : Hardener Part B :: 4 : 1
Induction Time	:	10-15 min.
Pot Life @ 30°C	:	3 hrs min.
DFT	:	min. 120 microns (2 coats of 60–70 micron each)
TSR	:	80%
SRI	:	102
Pull off Adhesion	:	7.2 Mpa
Hardness (Pencil)	:	5H min.
Coverage	:	35–40 sq.ft. for 2 Coats of 60-70 microns
Drying Time @ 30°C and 65% relative humidity	:	Surface Dry – 1.5 - 2hours
	:	Hard Dry – 12 hrs
	:	Complete Cure – 7 days
Over Coating Interval	:	6 hours
Method of Application	:	Brush or Roller

* Mix Base Part A and Hardener Part B separately to re-disperse any settling or separation before mixing them in 4:1 ratio v/v



Direction for Usage

Substrate

- Primed Mild Steel Substrate i.e. coated with Thermacool STP Primer as per instructions
- Primed surface must be dry and free from dust, dirt, bird droppings, oil and grease that may affect the adhesion of the PU coat. Oil and grease to be removed with solvent cleaning
- Temperature of the substrate should not exceed 50°C
- Relative humidity should be below 80 %

Mixing of Base Part A and Hardener Part B

- Mix Thermacool 0.3M Base Part A thoroughly and ensure no settling of pigments
- Mix Thermacool 0.3M Hardener Part B thoroughly and ensure there is no separation
- Mix Part A : Part B in the ratio 4:1 volume / volume i.e. if 4 L Base then 1 L Hardener
- Leave aside for 10 min. Remix the Base and Hardener mixture. Thermacool 0.3M Heat Reflective Coating is ready for application

Application Method

- Applied by Brush or Roller
- If needed, add 250 ml of Thermacool PU thinner to 5 Litres of Base + Hardener mixture
- Minimum 2 coats of application with a dft of 60-70 microns each. Allow the first coat to cure for min. 6 hrs before applying the second coat

Package Size

- Thermacool 0.3M Base Part A – 20 litres, packed in sealed metal drum
- Thermacool 0.3M Hardener Part B – 5 litre, packed in sealed metal drum

Health Safety and Environment (HSE)

- Product to be stored in ambient well ventilated area free from spark and direct heat.
- Wear appropriate Personal Protective Equipments
- Application should be done under well ventilation conditions
- Disposal of empty paint drums to be done as per the local government regulations
- For more details refer the material safety data sheet

Disclaimer: The information provided herein is true and accurate to the best of our knowledge. Factors such as substrate condition, environmental condition, applicators, actual method used for application and similar factors affecting the performance of the product is beyond our control and hence we do not accept any responsibility or liability arising owing to improper use of this product. Any change in the product is usually followed by issuance of a new technical data sheet, the same shall be provided to the consumer of this product upon request.