

# COOL TIGHT

Thermal Insulation Paint for Roof and External Walls



## PRODUCT DESCRIPTION

Cool Tight is an ideal thermal insulation paint for roofs and external walls. It provides an advanced thermal insulation effect by reflecting infrared rays that emit strong radiation and a high level of heat energy.

## USES

As a heat insulation and reflection coating for roofs and external walls of buildings to control change in temperature.

## AREA OF APPLICATION

Suitably primed surfaces of decorative clay roof tile, Asbestos Board, Slate Tiles, Galvanized / Metal Roof, etc.

## CHARACTERISTICS

- It provides an effective thermal insulation effect by reflecting infrared ray that emits strong radiation and a high level of heat energy.
- It keeps coated surface free from dirt and dust that lower the thermal insulation effect.
- It contains special chemical that effectively resists contamination of micro-organism including mould and fungus.
- The strong paint film with its cross-linking molecular structure efficiently withstands chemical and weathering contamination.

## COLOUR AVAILABILITY

Wide range of colours

## TECHNICAL DATA

Finish	Gloss	
Specific Gravity	1.05 ± 0.05	
Flash Point	45°C ± 3°C	
Drying Time (At 20°C)	Surface Dry	1 hour
	Hard Dry	24 hours
Shelf Life	Up to 12 months if stored in tightly sealed containers. Keep under roof and in cool place.	
Film Thickness	Dry Film (Theoretical)	50 ~ 70 microns
Solid Content	53.0 ± 3%	
Viscosity	20 ~ 40 ps/30°C	

## SURFACE PREPARATION

Surface shall be dry and free from dirt, dust, oil, grease and foreign matter. Surface unevenness, cracks, etc. shall be made good with our cementitious filler.

## APPLICATION DATA

No. of Components	: Two
No. of Coat	: Two
Coverage	: 0.13 – 0.15kg/m <sup>2</sup> /coat
	: 0.26 – 0.30kg/m <sup>2</sup> /2coat
	: 6.5 – 8m <sup>2</sup> /kg/coat
	: 3.24 – 4.0m <sup>2</sup> /kg/2coat
Dilution	: 0 – 20% with Paint Thinner A
Overcoating Interval	: Over 3 hours

## APPLICATION SPECIFICATION

### A. New Painting for Asbestos Board / Slate Tile

Process	Product name	No of Coats	Method of Application
Primer	Mirac Sealer EPO	1	Spray, Brush, Roller
Topcoat	Cool Tight	2	Spray, Brush, Roller

### B. New Painting for Galvanized or Metal Roofing Sheets

Process	Product name	No of Coats	Method of Application
Primer (For galvanised roof only)	Galbond #200	1	Spray, Brush, Roller
Undercoat	Mirac #100 Primer	1	Spray, Brush, Roller
Topcoat	Cool Tight	2	Spray, Brush, Roller

## PACKING STYLE

Mirac Sealer EPO	15kg/set
Cool Tight	16kg/set
Paint Thinner A	16ltr/can
Galbond #200	15ltr/set
Mirac #100 Primer	20kg/set
EH Thinner	16ltr/can

## MATERIAL HANDLING

- \* It contains volatile and inflammable solvents and must not be used near naked flame, welding operations etc.
- \* Ensure adequate ventilation during application.
- \* Store materials in cool, well-ventilated and dry place, away from direct sunlight.
- \* Avoid contact with skin or eyes. Any skin or eye contamination should be washed immediately with plenty of water and seek medical treatment.
- \* If swallowed, seek medical advice immediately. Do not induce vomiting.
- \* Keep away from heat sources.
- \* If an alternative thinner is used for dilution other than our recommended thinner, we are not liable for any complications or defects arising from usage for this material.

## Disclaimer:

- \* Alkaline resistance shall be based on SS345.
- \* For dark and premium colour, additional coats may be required to achieve uniform finish. Site mock-up is recommended to confirm the required numbers of coats prior to actual application of work.

**Note:** The above technical information/ values are given to the best of our knowledge based on laboratories tests, and practical experience. However, due to different applications, site conditions and constraints which are beyond our control, we are not liable for any circumstances due to or relating to the application of usage of our products. We reserve the right to alter or modify any given data without prior notice; therefore it is best to contact us should you have any doubts or enquires.