

TECHNICAL DATA SHEET

THERMO ROOF - W

Thermo Roof is a ultra-high performance acrylic based thermal insulating and heat reflective coating containing low density air filled micro voids with high SRI value for use in concrete and metal structures thus increasing the comfort zone and energy saving. Ideal for most critical applications like roof, corrugated metal roof, asbestos and cement sheets, over pipelines to prevent condensation / sweating, steam pipelines for thermal insulation, solar heaters, railway coaches, oil & gas storage tanks etc.



Typical applications

- + Roof Tops & Roof Slabs
- + Interior & Exterior Walls of Buildings
- + Corrugated metal roof, asbestos and cement sheets
- + Sintex tanks / water tanks and pipe lines
- + Railway and other coaches
- + Air Conditioning Ducts/Chillers
- + Galvanized Tin Sheet
- + Wood & Concrete
- + Fabric embedded membrane
- + Steam Pipelines
- + Outdoor container cabins/pre-fabricated offices
- + Solar heaters
- + Commercial Buildings
- + Mobile Homes
- + Oil & gas storage tanks
- + Metal Buildings and industrial sheds

Features & Benefits

- + Water-borne low VOC coating
- + Water based, environmentally friendly
- + Excellent thermal insulation at low thickness
- + Lower interior temperatures
- + Energy saving
- + Reduce electricity cost
- + Reduce surface temperature by 12-14 degree
- + Reduce air-conditioner cost-energy efficient
- + Excellent adhesion to metal, asbestos and concrete surfaces
- + Non-conductive property saves air conditioning energy cost
- + Reduce carbon footprint
- + High coverage

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Application Guidelines

Technical Information

Materials: Water borne 100% special acrylic emulsion paint

Color: White

Recommended DFT: 30-50 micron/coat

Touch dry time: 15-25 min

Re-coatable time: Min 2 hrs

(depending on air temperature & humidity)

Coverage: Approx.28 sq.ft. Per Kg in 2 coats

Cleaning solvent: Water

Recommended dilution (with water only):

~ Brush and roller application: 10-20% by volume

~ Spray application: 15-25% by volume

Mixing and Application

- + Thoroughly mix the contents of containers
- + Thinning/Dilution of the material using water is not recommended.
- + Stir the paint occasionally before each use.
- + In case of concrete surface should be moist/water wash before application. However avoid puddling/ponding of water.
- + For Metal use ULTRACORR ZPP as a anti corrosive primer prior to application of THERMO ROOF - W PAINT
- + Apply first coat with brush on the cleaned and washed surface.
- + Apply second coat after a gap of 1-2 Hours.
- + After completion of full coating, it should be allowed to cure for 24 hrs. Drying time may vary due to temperature / humidity and surface condition.
- + Ensure that the coated area does not come in contact with water for at least one hour.
- + Apply with a quality brush, or roller.
- + After completion of full coating, it should be allowed to cure for 24 hrs.
- + Drying time may vary due to temperature / humidity and surface condition.

Surface preparation

- + Brush away loose contamination on the substrate to be coated.
- + Bio-wash for killing fungus where necessary
- + Roughen surfaces by wire brush manually.
- + All surfaces must be clean and free from latence, dust, dirt, oil and grease.
- + Please check Moisture level and pH level in walls/roof/terrace/ceilings. The moisture level should be below 12% and pH should be in the range 7-9.
- + For Metal use ULTRACORR ZPP as a anti corrosive primer prior to application of THERMO ROOF - W paint.

Cleaning

Clean all tools and spillage of paint with water immediately after application.

Precautions & limitations

- + Do not apply when concrete surfaces or ambient temperatures are below the dew point.
- + Material and the substrate temperature should be above 10°C and below 50°C before use
- + Application on direct sunlight and windy situation may affect the paint performance

Storage: Store in cool & dry place. Keep container tightly closed in a secure, up position. Store in accordance with local regulations.

Packing: 20 kg

Shelf life (when stored as recommended):
Min 36 months