

# TIGOSHIELD TOPCOAT WATERPROOFING MEMBRANE

DISTINCTIVE HEAT REFLECTING & WATERPROOFING COATING



**PREMIUM**



**ULTRA PREMIUM**



**PLATINUM**

This is a single component, insulating elastomeric waterproof coating for roofs and top surfaces that will offer a great sealant quality against water along with heat, waterproofing and insulation. This monolithic waterproofing membrane provides superior crack bridging and long lasting tough weather protective seal for exposed (new and old) roofs & surfaces. **TIGOSHIELD TOPCOAT** combines the benefits of waterproofing as well as heat reduction in a single product. No additional protective coating is required

**Typical Applications :** ❖ Building Roofs / Terraces – Flat & Slope ❖ Over Existing cementitious waterproofing treatments like sound brick-bat coba, concrete screed, etc.

**Features:** ❖ Waterproofing – Tough durable elastic membrane with > 200% elongation ❖ Good Adhesion – Bonds strongly to the substrate ❖ Crack bridging – High flexibility of materials enables it to bridge hairline cracks ❖ Tough and abrasion resistant – Suitable for light foot traffic ❖ Economical – Cost effective and durable coating ❖ Bright white – Heat Reflective and UV resistant top coat ❖ Temperature reduction – Reduces surface temperature up to 10°C\*\* in the peak summer ❖ Eco friendly – Low VOC.

**Packaging:** 1, 4, 10 & 20 litre

**Method of Application: 1. Surface Preparation:** Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles. Existing roof systems to be visually inspected for conditions that may adversely affect adhesion of performance of newly installed products. Damaged or hollow portions, sharp edges, etc. must be cut and repaired with a polymer-modified mortar Ensure that the roof slope of a minimum of 1 in 100 is already provided. The surfaces shall ideally be in Surface Saturated Dry (SSD) before application of **TIGOSHIELD TOPCOAT**, Do not apply to wet or visibly damp surfaces. **2. Cracks and Joints:** It is recommended to fill fine crack up to 1 mm with **TIGOSHIELD TOPCOAT** directly by brush or roller after cleaning the cracks. All surface cracks up to 5 mm width should be filled up suitably using polymer modified mortar mostly.

**Application Procedure For Roof (Repair & New):** Stir well prior to application. All joints/corners/drainage outlets and penetration points shall be treated prior to all application of **TIGOSHIELD TOPCOAT** All corners, gaps, joints, protrusions and outlets should be coated with an extra coat incorporating reinforcing fabric. **TIGOSHIELD TOPCOAT** may be applied by roller, brush. Apply a coat of **TIGOSHIELD TOPCOAT** (diluted with water in the ratio 2:1) as Self Priming - 9 - 10 Sq.mtr / litre .Allow coating to dry for 3-4 hours prior to applying first coat & second coat. Apply two coats of **TIGOSHIELD TOPCOAT** @2 - 2.2 Sq.mtr / litre / coat, without water dilution, the rate of application being the same for both the coats. This would ensure correct consumption of material that will deliver a total DFT of 450– 500 micron. Allow the system to air cure for 3 days minimum.





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## Post Application:

Conduct ponding test by filling water up to 50 mm height for 72 hours post air curing to ensure leak-free terrace.

**Precautions & Limitations:** All corners, gaps, joints, Roof leak repair area & outlets shall be coated with two extra coats | Do not apply if rain is expected within 48 hours after application | Do not apply to flat surfaces with poor drainage or where ponding water will exist | The product is designed only for foot traffic and not vehicular or movement of machinery or equipment | Durability of coating is determined by the application process, the weather conditions during and after application, the suitability & quality of the workmanship and the total applied coating thickness | Do not apply if the surface temperature is greater than 40°C or below 10°C.

## Technical Information:

Solid Content	ASTM D1644	58	
Density (gm/cc)	ASTM D 1475	1.31	
% Elongation at Break	ASTM D 412	Min. 100 %	200
Tensile Strength Mpa	ASTM D 412	1.5	2.10
Tear strength (N/mm)	ASTM D 624	Min 21	23
Water absorption- 24 hr. dip	ASTM D 471	Max. 20%	passes
Pull off Adhesion, Mpa	Average	Min.1.5 Mpa	2.20
Crack Bridging Test (mm)	ASNZ4548- 5	Min 1 mm	2

## Theoretical Coverage\*

Self Priming - 9-10 Sq.mtr / litre

First Coat **TIGOSHIELD TOPCOAT** - 2 - 2.2 Sq.mtr / litre

Second Coat **TIGOSHIELD TOPCOAT** - 2 - 2.2 Sq.mtr / litre

**Shelf Life:** Protect the paint material from freezing | Keep containers closed away from heat and flame when not in use; store in a cool & dry place | 24 months from the month of manufacture in unopened & proper storage conditions.

**Health & Safety: Skin Contact:** Wash skin with soap & water. Remove contaminated clothes | **On eye contact:** Immediately splash eyes with plenty of water. Consult Physician if irritation persists | **Ingestion:** It is based on Water Based Coating system, however, seek medical help.

**WARRANTY:** 7-12 years depending on variant.

**Variants :** PREMIUM | ULTRA PREMIUM | PLATINUM

\*Coverage may vary depending upon the texture and porosity of the surface.

\*\*Comparative thermal performance of Tigoseal Top Coat on roofing. Temperature recorded from 1 pm to 3 pm of roof surface recorded with the aid of laser guided infrared non-contact thermometer. The degree of surface temperature reduction will vary depending on the condition of the existing surface, site location, roof pitch and weather factor.



**Manufactured & Marketed by:**

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