



TAMMSCOAT WP-IN

WATERPROOF ELASTOMERIC EXTERIOR COATING

DESCRIPTION

Tammscoat WP-IN is a unique polymer based waterproofing, elastomeric exterior performance coating to protect the concrete structure from degradation in varied climatic conditions. Tammscoat WP-IN is a single component 'Ready to Use' formulation with quick drying properties at room temperature. Its outstanding properties of water repellency coupled with toughness helps to arrest the leakage during rainy season while its stability against UV radiation keeps the brightness unfazed for years together. Its Two in One performance protects the surface from water seepage & leakage, enhances life of plaster and provides desired aesthetical outlook.

PRIMARY APPLICATIONS

- Single component, ready to use system
- No water curing required.
- Quick drying at room temperature.
- Can be pigmented in wide colour range

FEATURES/BENEFITS

- Excellent Water Repellency
- Resistance to U.V. Radiation
- Resistance to Fungus and moss.
- Excellent Brightness and finish.
- No peel-off tendency
- Tough and Scratch-proof.
- Stable at high temperatures.
- Roof Coating

TECHNICAL INFORMATION

Material properties tested under laboratory conditions @ 27°C, 50% RH.

PROPERTIES	VALUE
Appearance	White Vicous Liquid
Solids Content (by weight)	>60%
Thickness	0.7 to 1.5 mm
Elongation	>150% (ASTM D412 : 2002)
Tensile Strength	2.5 MPa (ASTM D412 : 2002)
Crack Bridging	No Cracking Upto 1mm (10 Cycles)
Adhesion Strength	>0.6 MPa (ASTM D4541:92)
UV Resistant	Excellent (ASTM G154:2000)

OTHER SALIENT FEATURES

Water Repellent

Due to its smooth film, water falling on it beads up and rolls off. Since it seals all porosity and cracks, it does not allow water to penetrate.

Water Vapour

Permeable To prevent damage from built-up hydrostatic pressure, a building must "breathe" and allow water vapour to pass through. With its multitude of densely packed micropores, Tammscoat WP-IN is much more water vapour permeable. It prevents hydrostatic pressure build up and reduces the likelihood of blistering, cracking and peeling - all while successfully repelling water.

Fungus Resistant

Due to its smooth film it does not allow fungus to grow. A powerful antifungal additive is incorporated in Tammscoat WP-IN.

UV Resistant

Tammscoat WP-IN coatings fade far less than ordinary coatings. Tammscoat WP-IN colour pigments are virtually non-reactive with ultraviolet light. Tammscoat WP-IN colours stay bright and true.

CO₂ diffusion resistant

Tammscoat WP-IN provides excellent resistance to CO₂ diffusion, which is the principle cause of damaging reinforced concrete.

Environment friendly

Tammscoat WP-IN does not release any hazardous vapours in the atmosphere and is totally environment friendly coating.

Excellent crack bridging

Tammscoat WP-IN has high degree of flexibility for wide range of temperature. The film can elongate 5 times its original shape, enabling it to conceal the cracks.

Aesthetic Decoration

Tammscoat WP-IN provides the beautiful aesthetics to the buildings combined with functional properties. Tammscoat WP-IN can be pigmented in various shades to give a wide spectrum of colours.

Cost Effective

Tammscoat WP-IN becomes very much cost effective by avoiding reoccurring recoating cost due to its long life.

Coverage/Yield

The recommended consumption is 1.0-1.2 kg/m² depending upon porosity and surface conditions.

PACKAGING

Tammscoat WP-IN is packaged in 25 Kg HDPE Pails.

SHELF LIFE

12 months. Keep container closed with a tight lid when not in use. Store in dry place.

DIRECTIONS FOR USE

Surface Preparation

Preparation Remove dust, dirt, grease, loose particles, flaking paint, wax, fungus, algae from surface using wire brush. Surface should be washed with water and allowed to dry.

Priming

Apply the priming coating using recommended primer or by mixing Tammscoat WP- IN with water in the ratio of 1:1 using brush, paint roller.

Product Application

- Mix one part of Tammscoat WP-IN with one part of water.
- Apply this first coat of this diluted material. Apply Tammscoat WP-IN with brush , paint roller of short wool and wait for drying. The drying time between coats is 2-3 hrs depending on the temperature, climatic conditions and local ventilation.
- Apply second coat of Tammscoat WP-IN without dilutions, the application should be cross-linked. Wait for the product to cure for atleast 3 days. It is advisable to reinforce the waterproofing in drains, detailing cracks and joints with polyester mesh(2mm*2mm).
- Finish by applying 2 coats of Tammscoat WP-IN with an intercoat interval of 4 hours.

HOW IT WORKS

Viscosity of Tammscoat WP-IN is so designed that, while application, Tammscoat WP-IN virtually travels in the surface and occupies all the cavities, porosities and hairline cracks of the structure. On curing, Tammscoat WP-IN forms tiny, flexible crystals within these cavities and blocks the passage of water arresting the chances of leakage completely. Tammscoat WP-IN, thus, on application gets absorbed in the surface and forms an integral part of it. As a result, Tammscoat WP-IN does not show any tendency of 'peel-off' in any detrimental climatic conditions.

PRECAUTIONS/LIMITATIONS

- Do not apply to frozen or frost filled surfaces or when temperature is expected to fall below 4°C in the 24 hour period following application.
- Do not use on moderate to heavy traffic bearing surfaces.
- Do not fill open cisterns, tanks, etc. with water for at least 7 days.
- Some colors may chalk or show water marks after weathering.
- Do not proceed with application when rainfall is imminent unless in a sheltered or protected location. The product should not be exposed to moving water during application
- Not recommended for negative side waterproofing where hydrostatic pressures exceed 2.4 m water head.
- Tammscoat WP-IN should not be applied to surfaces actively leaking.
- Tammscoat WP-IN should not be used on external surfaces where aesthetic appearance is critical as differences in cure/ drying rate may cause slight colour differences in the final surface.
- In all cases, refer the Safety Data Sheet before use.