



# TAMMSCOAT WP

## WATERPROOF ELASTOMERIC EXTERIOR COATING

### DESCRIPTION

**Tammscoat WP** is a unique polymer based waterproofing, elastomeric exterior performance coating to protect the concrete structure from degradation in varied climatic conditions. Tammscoat WP 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

### 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.

### CHARACTERISTICS

Solid Content	-	>60% of weight
Thickness	-	0.7 to 1.5mm
Elongation	-	250% (ASTM D412: 2002)
Tensile Strength	-	2.5N/mm <sup>2</sup> (ASTM D412: 2002)
Hardness Shore A	-	70N/mm <sup>2</sup> (ASTM D2240: 2002)
Crack Bridging	-	No cracking up to 1mm (10 cycles)
Adhesion Strength	-	>0.6N/mm <sup>2</sup> (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 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.

### **UV Resistant**

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

### **CO diffusion resistant**

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

### **Environment friendly**

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

### **Excellent crack bridging**

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

### **Cost Effective**

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

### **Covering Capacity**

Tammscoat WP covers 4-5m<sup>2</sup> per kg for 2 coats application depending on smoothness and porosity of substrate.

## **PACKAGING**

Tammscoat WP is packaged in 20kg buckets.

## **STORAGE**

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

## **DIRECTIONS FOR USE**

### **Surface Preparation**

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

### **Priming**

Apply the priming coat using recommended primer or by mixing Tammscoat WP with water in the ratio of 1:2 using brush.

### **Finishing**

Finish by applying 2 coats of Tammscoat WP with an intercoat interval of 4 hours.

### **Thinning**

Tammscoat WP is ready to apply paint, which does not require thinning.

## **HOW IT WORKS**

Viscosity of Tammscoat WP is so designed that, while application, Tammscoat WP virtually travels in the surface and occupies all the cavities, porosities and hairline cracks of the structure. On curing, Tammscoat WP forms tiny, flexible crystals within these cavities and blocks the passage of water arresting the chances of leakage completely.

Tammscoat WP, thus, on application gets absorbed in the surface and forms an integral part of it. As a result, Tammscoat WP does not show any tendency of 'peel-off' in any detrimental climatic conditions.

## **HEALTH & ENVIRONMENT**

The membrane does not contain any substance which is likely to be detrimental to health or to environment and complies with generally admitted health and safety requirements'. For more detailed information, please refer to the relevant safety data sheet.

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