



# TAMMSFLEX WP-IN

## LIQUID APPLIED WATERPROOFING MEMBRANES

EUCLID CHEMICAL

WATERPROOFING &amp; DAMPPROOFING

TAMMSFLEX WP-IN

### DESCRIPTION

TAMMSFLEX WP – IN is a High Performance cold fluid-applied water-based aliphatic polyurethane, waterproofing elastomeric coating for roofs when mechanical durability and outstanding waterproofing properties are required. It forms a non-penetrating against moisture film with resistance to UV and mechanical stress.

### PRIMARY APPLICATION

- Roofs made of concrete, cement boards, mosaic, cement slurries
- Rooftops with resistance to water
- Metallic surfaces after the application of the proper primer (solvent based primer)
- New or old acrylic or polyurethane waterproofing layers

(Upon some surfaces above, it is necessary to prime them with the appropriate each time primer, before Tammsflex WP-IN application)

### FEATURES/BENEFITS

- Ideal solution for waterproofing walkable roofs
- High mechanical strength
- Applicability and on cloudy days as the final polymerization of the material is done by evaporation, and therefore under shading
- No appearance of holes in the surface during the curing of material
- Protection of polyurethane foam insulation
- Eco-friendly (Water-based)
- Easy to apply
- Resistant to temperatures from -15°C to +80°C

### TECHNICAL INFORMATION

Appearance	Viscous liquid
Density @27°C	1.34 - 1.36 kg/l
pH	8 - 9
Solids by Weight	67%(ASTM D5201)
Drying time@27°C	2 – 3 hours initially
Dry to Recoating @27°C	24 hours (low temperatures and high humidity prolong drying)
Service temperature	From -15°C to +80°C
Tensile Strain at Maximum load	475.15 ± 33.04%(ASTM D412-06a)
Hardness Shore A	68 (ASTM D2240)
Tensile Strength at Maximum load	2.28 ± 0.16 Mpa (ASTM D412-06a)
Tensile Strength at Break	486.57 ± 33.30% (ASTM D412-06a)
Adhesion Strength	2.54 N/mm <sup>2</sup>

## PACKAGING

Tammsflex WP-IN packed in 13 kg HDPE Pails.

## SHELF LIFE Plastic cont

The product is stable for 12 months when kept unopened in its original container, protected from frost and direct sunlight.

## COVERAGE

Consumption of Tammsflex WP – IN is 1 – 1.5 kg / m<sup>2</sup> for 2 coats (Cementitious surface)

**Note:** Coverage rates are approximate and may vary with surface and porosity. The information given is based on average usage. A site trial is recommended.

## DIRECTION FOR USE

**Surface preparation:** The substrate should be clean, dry and free from dust, oil, grease, or any poorly adhering material. It is advisable to prime the surface with Tammsflex WP Primer diluted with water in ratio Tammsflex WP:Water- 1:3, in order to seal any pores, fix the surface, and thus obtain stronger adhesion and higher coverage.

**Application:** Stir the product thoroughly in its container. After priming, apply at least two layers of Tammsflex WP-IN using a brush or a roller, each time working the material in a vertical or different direction to that of the previous coat. Dilute with 5% water for the first coat. Apply the second coat after 24 hours, without thinning. Follow the above directions to the third layer.

### Notes:

- Tammsflex WP-IN should not be applied under wet conditions, or if wet conditions are expected to prevail during the curing period of the product.
- Application conditions: Moisture of the surface: < 4%, Relative atmosphere moisture: <80%. The application should take place under temperature between +10°C and + 40°C.
- For demanding applications or when covering cracks bigger than 1.5 mm, Tammsflex WP-IN may be reinforced with specially designed non-woven polyester tissue Geotextile. In such cases, at least three coats of the product are required.
- Coating thickness should not be excessive in order to avoid long drying times
- Total hardening of the film occurs 7 days after the application

## CLEANING OF TOOLS

Use plenty of water immediately after application

## STAIN REMOVAL

Use water when the stain is still fresh and damp. In case of hardened stains, use mechanical means or a paint remover.

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