



FIXPROOF PU-T (FIXPUR T)

SINGLE COMPONENT, POLYURETHANE BASED TRANSPARENT AND LIQUID WATERPROOFING COMPOUND

- Transparent
- Economical
- Resistant to UV rays and discoloration

DESCRIPTION

FIXPROOF PU-T is a single component, polyurethane based, waterproofing material with high solid content that cures with the air humidity and forms a durable, elastic and transparent film on the application surface.

TYPICAL APPLICATIONS

- Porches, terraces and balconies,
- Concrete surfaces,
- Natural stones,
- Wooden surfaces,
- Tiles (marble, ceramic, etc.).

ADVANTAGES

- Excellent resistance to weather conditions and UV. Its aliphatic nature prevents discolorations even under direct sunlight. Can be applied as a thick layer; bubble-free.
- Effective water vapor transmission. The film breathes so there is no accumulation of humidity under the coating.
- Perfect mechanical properties.
- Perfect thermal strength.
- Will not soften under any circumstances.
- Resistant to cold, maintains elasticity even at -40 °C.
- High resistance to chemicals.

TECHNICAL PROPERTIES

Color: Transparent

Physical State: Liquid

Density: 1.00 ± 0,05 g/cm³

Application Temperature: +10 °C to +35 °C

Pot Life: 30 min.

Drying Time: 6 hours at 25 °C and 55% relative humidity

Service Temperature: -40 °C to +80 °C

Hardness (ASTM D2240 / DIN 53505 / ISO R868 70): 40 shore A

Elongation Percentage (23 °C) (ASTM D412): ≥ % 350

Tensile Force At Break (23 °C) (ASTM D412): ≥ 35 N/mm²

Adherence On Concrete: ≥ 2 N/mm²

Water Vapor Permeability (ASTM E96): 0,8 gr/m² per hour

QUV (Accelerated Uv Strength Test Under Weather Conditions): 3000 hours

Thermal Resistance (100 Days At 80 °C): Suitable

Short-Term Max. Temp. (Shock): 200 °C

The values above are valid for 23 °C and 50% relative humidity.

DIRECTIONS FOR USE

SURFACE PREPARATION

- Surface should be cleaned by using pressurized washer. Oil, grease, fuel, and paraffin residues should be removed and surface should be totally free from mold release agents, cement residues, sawdust, loose particles, and cured membranes.
- Surface irregularities and cracks should be repaired with **FIXGROUT EXPAN**.

Concrete Substrate Standards:

Hardness: R28=15 MPa

Humidity: W < 10%

Temperature: +5 °C - +35 °C

Relative Humidity: < 85%

PRIMER APPLICATION

- Smooth surfaces must either be chipped/chiseled or conditioned with primer. Apply **INTERPRIMER T-PU** with a clean piece of cloth gently, avoiding accumulation or dripping.

APPLICATION

- Mix with a low speed electrical mixer.
- Apply **FIXPROOF PU-T** (in two layers if required) after the sublayer has dried (after approx. 15 to 20 minutes). The maximum waiting period between application of consecutive layers is 24 hours.

WATCH POINTS

- Apply only on firm and sound substrate.
- For low pored, smooth surfaces (ie marble or ceramic tiles) use with primer.

CONSUMPTION

0.2 - 1.0 kg/m²

PACKAGING

20 kg container

STORAGE AND SHELF LIFE

Store in dry and cool locations (temperatures between 5 °C - 25 °C). Shelf life is 12 months under suitable storage conditions. Once the seal is broken, use as soon as possible.

HEALTH AND SAFETY

FIXPROOF PU-T contains volatile and flammable solvents. Do not smoke during application, and stay away from open flames and work at well ventilated areas. Ventilate indoor areas continuously, and wear active carbon masks. Remember that solvents are heavier than air, and would thus flow on floor.

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