



Proof Tile PU 711-TR

Product Description

A transparent, hard-elastic, one component aliphatic polyurethane, high-solids coating. After application the material cures with air moisture to form a seamless, elastic, crack bridging and walkable membrane. This high-technology coating is UV-stable, non-yellowing, weather stable, alkali and chemical resistant and even after aging it remains transparent and elastic. It is resistant to water contact, weather conditions, sunlight, abrasion (foot traffic) and thermal variations (-30 to +80 °C service temperature).

Product uses:

- Transparent waterproofing of Balconies and Terraces.
- Transparent waterproofing and protection of natural stones.
- Transparent waterproofing of transparent plastics (e.g. polyacrylate, polycarbonate).
- Transparent waterproofing and protection of wood.
- Transparent waterproofing of ceramic surfaces.
- Transparent waterproofing of glass.
- Transparent waterproofing of glass-brick walls.

Properties

- UV-stable
- Non-yellowing.
- Resistant to water.
- Abrasion resistant.
- Resistant to water.
- Temperature span of -40°C to +90°C. Resistant to frost.
- Gives the surface a satin-matte finish

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Semi Gloss/ Transparent
<i>Density:</i>	1.0 kg/liter
<i>Volume Solids:</i>	75%
<i>Theoretical Spreading Rate:</i>	8.8 m ² /ltr (8.8 m ² /kg) (85 micron DFT)
<i>Consumption:</i>	0.125 – 0.150 ltr/ m ² (0.125 – 0.150 kg/m ²)
<i>Recommended film thickness:</i>	150-200 micron
<i>Tensile strength:</i>	> 10 N / mm ² (7 days) (DIN 53504) > 25 N / mm ² (30 days) (DIN 53504)
<i>Elongation:</i>	> % 200 (30 days)
<i>Water Vapor Transmission:</i>	0.8 gr/m ² -hr (ASTM E96)
<i>Crack Bridging Capacity:</i>	≥2mm
<i>Hardness, Shore A:</i>	90 (ASTM D 2240/ DIN 53505)
<i>Adhesion to Concrete:</i>	≥2MPa (ASTM D4541)
<i>Flash point :</i>	> 45 ° C
<i>Curing time (FOOT TRAFFIC) :</i>	16 Hour (23°C) – 12 hour (30°C)
<i>Curing time (MECH RESISANCE) :</i>	24 Hour (23°C) – 24 hour (30°C)
<i>Full Curing :</i>	5 Days (23°C) – 5 Days (30°C)

Technical Data Sheet



Recoating Interval: 16 Hour Minimum. Max. 24 h (at 23 ° C)
12 Hour Minimum. Max. 24 h (at 30 ° C)
Service Temperature: -40°C to 90°C
Application Temperature: Between 5°C to 35°C

Application Details

Application method: Brush / Roll / Airless Spray
Thinner: Do not thin the Product
Thinner Amount: Do not thin

Surface Preparation:

Surfaces must be clean, sound and dry. Dust, oil, grease, old coatings, laitance, rust, curing compounds, waxes, form oil and similar contaminations should be cleaned or removed prior to application. Do not apply on surfaces where rising moisture is expected.

PRECEDING COAT:

Proof Tile Primer

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- The surface should be protected from moisture and rain for 8-10 hours after application.
- All application tools and equipment should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

Shelf life & Storage:

6 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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