

## Transparent, liquid-applied polyurethane waterproofing membrane

### PRODUCT

**weberdry PUR trans** is a transparent, hard-elastic, one component aliphatic polyurethane, high-solids coating, used for long- Lasting waterproofing. This high-technology coating is UV-stable, non-yellowing, weather stable, alkali and chemical resistant and even after aging it remains transparent and elastic.

**weberdry PUR trans** protects and waterproofs mineral surfaces against water penetration, frost, smog and acid rain. Aged and oxidized plastic surfaces look more transparent after coating with **weberdry PUR trans**.

**weberdry PUR trans** clear waterproofs damaged glass surfaces and protects of glass fragments incase of breaking.

**weberdry PUR trans** is using a unique curing system (moisture triggered), and unlike other similar systems it does not react with moisture (moisture-cured) and does not form bubbles.

### SCOPE OF USE

- Waterproofing of Balconies and Terraces
- Waterproofing of Glass and metal-mesh reinforced Glass
- Waterproofing of Glass-Brick walls
- Waterproofing and protection of Natural Stones.
- Waterproofing of Transparent Plastics (e.g. GFK, Polycarbonate)
- Waterproofing and protection of Wood and Bamboo
- Waterproofing of ceramic surfaces

### ADVANTAGES

- Simple application (roller or airless spray)
- UV-stable
- Non-yellowing
- When applied forms seamless membrane without joints or leak possibilities
- Resistant to water
- Maintains its mechanical properties over a temperature span of - 30°C to + 90°C
- Resistant to frost
- Full surface adherence
- The waterproofed surface can be walked on

### CHARACTERISTICS

PROPERTY	RESULTS & STANDARD
Composition	Polyurethane high-solids pre-polymer
Elongation at Break	322% - DIN EN ISO 527
Tensile Strength	25.4 N/mm <sup>2</sup> - DIN EN ISO 527
E-modulus	69.5 N/mm <sup>2</sup> - DIN EN ISO 527



### PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
20 kg	20 kg	20 kg	20 kg	20 kg	20 kg	20 kg	20 kg

Tear resistance	56.9 N/mm <sup>2</sup> - DIN ISO 34, Method B
Elongation at break after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m <sup>2</sup> )	298% - DIN EN ISO 527
Tensile strength after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m <sup>2</sup> )	25.5 N/mm <sup>2</sup> - DIN EN ISO 527
Gloss retention after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m <sup>2</sup> )	Good – DIN 67530
Surface chalking after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m <sup>2</sup> )	No chalking observed. Chalking grade 0 DIN EN ISO 4628-6
Hardness (SHORE D Scale)	25 – ASTM D 2240
Water vapor permeability	8.05 gr/m <sup>2</sup> 24hours- EN ISO 12572
Resistance to Water Pressure	No leak (1m water column, 24h) – DIN EN 1928
Adhesion to absorbent ceramic tile	>2,0 N/mm <sup>2</sup> (ceramic tile failure) – ASTM D 903
Service Temperature	-40°C to +90°C
Tack Free Time	6-8 hours
light Trafficking Time	24 hours
Final Curing time	7 days

## Chemical Properties

Good resistance against detergents, seawater and oils.

## INSTRUCTIONS FOR USE

### SURFACE PREPARATION

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane. Maximum moisture content should not exceed 5%. New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils, organic substances and dust need to be removed.

WARNING: Do not wash surface with water!

ATTENTION: Surfaces with trapped moisture (e.g. trapped moisture under balconies tiles) must be left to dry completely (max. 5% moisture), before the application of the **weberdry PUR trans** clear coating.

WARNING: Do not apply the **weberdry PUR trans** clear on surfaces treated in the past with silane, siloxane, silicon or other water-repellents, because of expected poor adhesion. We recommend an adhesion test, if circumstances and surface history are not clear.

### Repair of cracks and joints

The careful sealing of existing cracks and joints before the application is extremely important for long lasting waterproofing results.

Clean cracks, hairline cracks, expansion joints and control joints of dust, residue or other contamination.

Prime locally with the **weberdry prime 310 PU** and allow 2-3 hours to dry. Fill all prepared cracks and joints with **weber jointseal PU**. Allow to cure.

### Priming

Prime non-absorbent glazed surfaces, like glazed ceramic tiles, glass and glass bricks with **weberdry prime PUR tile**.

Apply the **weberdry prime PUR tile** by soaking a clean and dry cloth, and wipe the entire surface off. By this application procedure, you ensure that besides the chemical activation (priming) of the surface, the surface is getting also very effectively degreased.

Change cloths often. Make sure that enough quantity of **weberdry prime PUR tile** is applied on the entire surface to primed and make sure that you do not leave any untreated spots.

If applied on transparent plastics (polycarbonate, polyacrylate, etc) do not use the **weberdry prime PUR tile**.

### Transparent waterproofing membrane

Pour the **weberdry PUR trans** clear coating onto the primed surface and lay it out by roller or by 1mm teeth trowel, until all surfaces is covered. After 12 hours-but not later than 18 hours apply a second layer of the **weberdry PUR trans** clear coating, by using roller or brush.

For better waterproofing results, apply a third layer of the **weberdry PUR trans** clear coating.

ATTENTION: Do not apply the **weberdry PUR trans** clear over 1mm thickness (dry film) per layer. For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing.

High humidity may affect the final finish.

### CONSUMPTION

0.8 – 1,2 kg/m<sup>2</sup> in two or three layers. This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

### STORAGE

9 months from manufacturing date in an unopened original packaging, stored in a dry area, away from any heat source.

### HEALTH & SAFETY

**weberdry PUR trans** clear contains isocyanates. Keep away from fire sources. Do not smoke, sufficient ventilation is recommended, Gloves and goggles must protect hands and eyes. In case of contact of the material with the eyes, rinse with plenty of water and consult a physician. Tools must be cleaned before polymerization, with Toluol, Keep out of reach of children.

### DISCLAIMER

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