

# weberdry PUR trans

## Polyurethane based, UV resistant, transparent waterproofing product

Technical Data Sheet  
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### ■ Description

Transparent, hard-elastic, one component, aliphatic polyurethane, UV resistant, high-solids coating, used for long-lasting waterproofing.

### ■ Reference standards

CE

### ■ Advantages

- UV resistant
- Transparent, does not affect the appearance of the substrate
- Remains transparent and elastic even after aging
- Excellent adhesion on tiles and glazed substrates
- Non-yellowing formula
- Resistant to domestic foot traffic
- Quick and easy application
- Weather resistant
- Resistant to detergents, oils, seawater and domestic chemicals

### ■ Application areas

Used for transparent waterproofing of balconies, terraces, bathrooms, ceramic surfaces, glasses, glass bricks, plastics like polyacrylate and polycarbonate.



### ■ Application substrates

Interiors and exteriors;

- Cement based screeds, renders and concrete;
- Glass, glass bricks;
- Tiles and ceramics;
- Transparent plastics like polyacrylate, polycarbonate;

Please consult us for all other application substrates.

### ■ Preparation of substrates

- The substrate should be clean, dry, smooth and sound; free from any contamination.
- Maximum moisture content should not exceed 5%.
- Major deformations and holes on the substrate should be repaired at least 24 hours before **weberdry PUR trans** application using **weber structural repair mortars**.
- Any old coatings, dirt, oil, organic substances need to be removed.
- Glass and glazed surfaces should be degreased and primed with **weberprim PUR tile**.
- Apply **weberprim PUR tile** by soaking a clean and dry cloth and wiping the entire surface off. Change the cloth often. Make sure enough amount (50-80 g/m<sup>2</sup>) of **weberprim PUR tile** is applied on the substrate and no untreated spots left.
- If applied on transparent plastics (polycarbonate, polyacrylate, etc) do not use **weberprim PUR tile**.
- Do not wash the surface with water prior to the application.

### ■ Application conditions

- Substrate and ambient temperature between +5°C and +35°C.
- Avoid application in hot and/or damp weathers.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

### ■ Application

- Pour **weberdry PUR trans** onto the primed substrate and lay it out using a roller or suitable notched trowel (1 mm) until all surface is covered.
- After 12 hours - but not later than 18 hours- apply a second layer of **weberdry PUR trans** coating, by using roller or brush.
- For better waterproofing and wear resistance results apply a third layer of **weberdry PUR trans** coating.

### ■ Application tools

Roller, brush, notched trowel (1 mm)

### ■ Consumption

0.8-1.2 kg/m<sup>2</sup> (for 2 or 3 coats of application)

## ■ Points of attention

- Humidity of the application substrate should not exceed 5%. High humidity may affect finish of the product.
- Should not be applied on fresh concrete substrates.
- Substrates with trapped moisture (e.g. trapped moisture under tiles) must be left to dry completely before application.
- Do not apply **weberdry PUR trans** on ceramic tiles with ascending nitric salts in the joints without suitable pretreatment.
- Do not apply **weberdry PUR trans** on substrates formerly treated with active silane, siloxane, silicone or other water repellents because of poor adhesion. A preliminary adhesion test is recommended if the circumstances and substrate history are not clear.
- Perform a preliminary adhesion test on marble and granite substrates to ensure that adhesion is proper.
- Do not apply **weberdry PUR trans** over 1 mm thickness (dry film) per layer.
- **weberdry PUR trans** gets slippery when wet. Sprinkle suitable aggregates onto wet coating during application to get an anti-slip surface.
- The product should be kept away from fire sources and should not be approached with cigarette.
- Use gloves and glasses during the application, avoid eye and skin contact. In case of contact with eyes and skin, rinse immediately with plenty of clean water and seek medical attention.
- Make sure the application area has sufficient air flow.
- Lower temperatures retard cure while high temperature speed up curing.

## ■ Storage

<b>Packaging</b>	5 kg metal bucket
<b>Colour</b>	Transparent
<b>Shelf life</b>	<ul style="list-style-type: none"><li>• 9 months from date of manufacture when stored away from direct sunlight, in a dry and cool environment.</li><li>• Storage temperature should be between +5°C and +30°C.</li><li>• Packages should be kept tightly closed when not in use.</li><li>• Packages should be protected against frost.</li></ul>

## ■ Technical specifications

<b>PRODUCT</b>	<b>weberdry PUR trans</b>
<b>Product structure</b>	Polyurethane
<b>Colour</b>	Transparent
<b>Applicable coats</b>	2-3 layers
<b>Time required between coats</b>	Minimum 12 hours; Maximum 36 hours
<b>Tack free time</b>	6-8 hours
<b>Time for light foot traffic</b>	24 hours
<b>Full curing time</b>	7 days
<b>Service temperature</b>	Between -40°C and +90°C
<b>Hardness (shore D)</b>	25 (ASTM D 2240)
<b>Adherence to absorbent ceramic tile</b>	>2.0 N/mm <sup>2</sup> (ASTM D 903)
<b>Elongation at break</b>	>322% (DIN 527)
<b>Tensile strength</b>	>25.4 N/mm <sup>2</sup> (DIN 527)
<b>E-modulus</b>	>69.5 N/mm <sup>2</sup> (DIN 527)
<b>Tear resistance</b>	>56.9 N/mm <sup>2</sup> (DIN 527)
<b>Vapour permeability</b>	8.05 g/m <sup>2</sup> /day (ISO 12572)
<b>Reaction to fire</b>	B2 (DIN 4102-1)

## ■ Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information.

## LEGAL DISCLAIMER

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. is not responsible for any errors arising from the use of product beyond its intended purpose or not complying the application procedures mentioned above.

*The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.*

**Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş.** is not responsible for the application errors arising from use of product beyond its intended purpose of failure to comply with the forgoing application conditions and advice on the product.