

weberdry PUR basic

Polyurethane based, UV resistant, super-flexible waterproofing product

Technical Data Sheet
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■ Description

Highly permanent elastic cold applied, cold curing, single component, UV resistant, solvent based polyurethane liquid applied waterproofing membrane.

■ Reference standards

CE

■ Advantages

- Seamless waterproofing without joints
- Resistant to domestic and public pedestrian traffic
- Excellent thermal resistance, never turns soft
- More than 2 mm of crack bridging even in low temperatures
- Easy application using airless spray or roller
- Easy application consistency, easy solution for complex details
- Resistant to detergents, oils, saltwater and domestic chemicals

■ Application areas

Used for waterproofing of roofs; balconies, terraces and verandas; wet areas (under-tile) bathrooms, kitchens, balconies; pedestrian traffic decks; repairing old bitumen, asphalt, EPDM and PVC membranes and acrylic coatings; protection of PU foam insulation.



■ Application substrates

Interiors and exteriors;

- Cement based screeds, renders and concrete
- Glass, metal and wooden substrates (with **weberprim EP 2K**)
- Old tilings, bitumen and acrylic coatings (with **weberprim EP 2K**)
- Polyurethane foam

Please consult us for all other application substrates.

■ Preparation of substrates

- Careful surface preparation is essential for optimum finish and durability.
- The surface needs to be clean and sound, free of any contamination, which may harmfully affect the adhesion of the primer.
- Maximum moisture content should not exceed 5%. Substrate compressive strength should be at least 25MPa (N/mm), adherence strength at least 1.5MPa (N/mm). Old coatings, dirt, organic substances and dust need to be removed by a grinding machine or shot- blasting. Oil or grease contamination must be cleaned substantially. Possible surface irregularities need to be smoothed.

- Any loose surface particles and grinding dust need to be thoroughly removed.
- Major deformations and holes on the substrate should be repaired at least 24 hours before **weberdry PUR basic** application using **weberep structural repair mortars**; where quick application or sulphate resistance is needed, **weberep HKS** should be used instead.
- Dilatation joints on application substrates should not be covered with **weberdry PUR basic**; **weber superflex** dilatation tapes should be used instead to ensure the continuity of waterproofing.
- Vertical and horizontal edges should be beveled to ensure continuity of waterproofing layer using **weberep structural repair mortars**; where quick application or sulphate resistance is needed, **weberep HKS** should be used instead.
- Absorbent substrates like cement based ones and wood; and glass, metal, old tiling, bitumen, acrylic coated substrates should be primed using **weberprim EP 2K**.

■ Application conditions

- Substrate and ambient temperature between +10°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

- **weberdry PUR basic** should be mixed well before use and applied on primed substrate using brush, roller and spray. If the application substrate is horizontal, product can be poured and applied using roller or brush.
- Thin cracks, joints, corners and edges should be supported using **weber geokeçe** after the first coat application. **weber geokeçe** application should cover the entire substrate after the first coat on terrace roofs and similar applications. Use 5 - 10 cm stripe overlapping.
- Application should be made at least in 2 coats and at least 12-18 hours should be waited between the coats (waiting time should not exceed 36 hours).
- If waterproofing coat is to be covered with ceramic tiles, fully saturate with oven-dried silica sand (aggregate -size 0.4-0.8 mm) the last layer while still wet. This saturation will create an adhesion bridge to the tile adhesive that will follow.
- **weberdry PUR coat** should be used for permanent colour, decorative look and high strength.

■ Application tools

Brush, roller, airless spray

■ Consumption

1.2-2.0 kg/m² (for 2 or 3 coats of application)

Points of attention

- Should not be applied on fresh concrete substrates.
- Maximum moisture content of the substrateg should not exceed 5%.
- For an ideal application, compressive strength of the substrate should be at least 25 Mpa and adherence strength should be at least 1.5 Mpa.
- Priming application should be made prior to the application.
- Do not apply **weberdry PUR basic** over 0.6 mm thickness (dry film) per layer.
- 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.
- The applied product may turn yellow in time if exposed to UV rays. However, the colour change is just visual and has no affect on mechanical features and product performance. To avoid this, should be covered with **weberdry PUR coat** as topcoat.
- Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

Technical specifications

PRODUCT	weberdry PUR basic
Product structure	Polyurethane
Colour	White, Light Grey
Applicable coats	2-3 layers
Time required between coats	Minimum 12 hours; Maximum 36 hours
Rain stability time	4 hours
Time for light foot traffic	18-24 hours
Full curing time	7 days
Service temperature	Between -30°C and +90°C
Hardness (shore A)	65-70 (ASTM D 2240)
Adherence to concrete	>2 N/mm ² (ASTM D 903)
Crack bridging (-10°C)	>2 mm (EOTA TR 008)
Elongation at break	>500% (DIN 52455)
Tensile strength	>4 N/mm ² (DIN 52455)
Vapour permeability	30 g/m ² /day (ISO 9932-91)
Reaction to fire	B2 (DIN 4102-1)

Storage

Packaging	25 kg metal bucket
Colour	White, Light Grey
Shelf life	<ul style="list-style-type: none">• 12 months from date of manufacture when stored away from direct sunlight, in a dry and cool environment.• Storage temperature should be between +5°C and +30°C.• Packages should be kept tightly closed when not in use.• Packages should be protected against frost.

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.