

weber.dry PUR seal 2K

Polyurethane based, dual component, flexible waterproofing product

Technical Data Sheet

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■ Description

Polyurethane based, dual component, solvent-free, hard flexible waterproofing product.

■ Advantages

- Safe for using on drinking water tanks and channels with solvent-free, odorless structure
- Resistant to pedestrian traffic with high mechanical strength
- Maintains mechanical features even in severe weather conditions
- Easy application consistency, easy solution for complex details
- High resistance to water ponding and frost
- Resistant to detergents, oils, saltwater and domestic chemicals

■ Application areas

Used for protecting and waterproofing water reservoirs and channels including drinking water ones and similar areas. Also, applied as waterproofing material for underflooring or on uncovered wet areas, pools and terraces.

■ Application substrates

Interiors and exteriors;

- Cement based screeds, renders and concrete (with **weber.prim EP 2K**)
- Metal and old tilings (with **weber.prim EP 2K**)

Please consult us for all other application substrates.

■ Limits of application

- Should not be applied on substrates with more than 5% humidity.
- Should not be applied on fresh concrete substrates.

■ Preparation of substrates

- The substrate should be clean, dry, smooth and sound.
- Uneven surfaces should be levelled using **weber.rep HKS** or **weber.rep MA 200**.
- Dilatation joints on application substrates should not be covered with **weber.dry PUR seal 2K**; 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 **weber.rep MA 200**; where quick application or sulphate resistance is needed, **weber.rep HKS** should be used instead or supported with weber corner insulation tapes.

- Major deformations and holes on the substrate should be repaired using **weber.rep MA 200**; where quick application or sulphate resistance is needed, **weber.rep HKS** should be used instead.
- Cement based absorbent substrates; metal and old tilings should be primed using **weber.prim EP 2K**.

■ Application conditions

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

■ Application

- Before the application, A and B components of **weber.dry PUR seal 2K** should be mixed considering mixing ratios, using a low-speed mixer to a homogenous state for at least 3-4 minutes. When the product is ready, it should be applied using roller or brush. 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.
- Application should be at least 2 coats and at least 12 hours should be waited between coats (waiting time should not exceed 36 hours).

■ Application tools

Brush, roller, mixer

■ Consumption

1.25-1.50 kg/m² (2 or 3 coats)

■ Points of attention

- Humidity of the application substrate should not exceed 5%.
- For an ideal application, compressive strength of the substrate should be minimum 25 Mpa and adherence strength should be minimum 1.5 Mpa.
- Priming application should be made prior to the application.
- Prepare material considering the pot life of the material.
- 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 effect on mechanical features and product performance.

■ Technical specifications

PRODUCT	weber.dry PUR seal 2K
Product structure	Polyurethane
Colour	Off-white
Mixing ratio	Polyurethane resin: 6 units Hardener: 1 unit
Pot life	30 minutes
Applicable coats	2-3 layers
Time required between coats	Minimum 12 hours; Maximum 36 hours
Time for light foot traffic	24 hours
Full curing time	7 days
Service temperature	Between -40°C and +90°C
Hardness (shore D)	65 (ASTM D 2240)
Adherence to concrete	>1.5 N/mm ² (ASTM D 903)
Elongation at break	>%120 (DIN 52455)

■ 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.

■ Storage

Packaging	15+2.5 kg metal bucket set
Colour	Black
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.

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

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