

weberdry PUR B2K

Bitumen-polyurethane based, super-flexible waterproofing product

Technical Data Sheet

Issued On: 07.11.2023

Revision No: 006

■ Description

Bitumen-polyurethane based, double component, fast-curing, super-flexible waterproofing product.

■ Advantages

- High performance on wide terraces and deep foundations
- Forms single-piece, super elastic waterproofing layer
- Easy application consistency, easy solution for complex details
- Maintains mechanical features even in severe weather conditions
- Rapid-drying feature
- High resistance to water ponding and frost
- Resistant to detergents, oils, saltwater and domestic chemicals

■ Application areas

Used as waterproofing material against moisture, pressurised and unpressurised water on foundations, cellar walls, terrace roofs, balconies, car parks, bridge upper sections and similar areas of all buildings. Also used as waterproofing material for wet areas, areas requiring plant root resistance and repairing old waterproof coatings.

■ Application substrates

Interiors and exteriors;

- Cement based screeds, renders, concrete,
- Old tiles, metal, bitumen and acrylic coatings (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.

■ Preparation of substrates

- The substrate should be clean, dry, smooth and sound.
- Uneven surfaces should be levelled using **weberep** repair mortars.
- Dilatation joints on application substrates should not be covered with **weber dry PUR B2K**; **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 ep HKS** should be used instead.
- Major deformations and holes on the substrate should be repaired using **weber ep MA 200**; where quick application or sulphate resistance is needed, **weber ep 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 **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

- Each component of **weber dry PUR B2K** should become homogenous before mixing. Then, these components should be mixed in a clean container using a low-speed mixer to a homogenous consistency.
- **weber dry PUR B2K** should be applied on the primed substrate using brush, roller or notched trowel.
- Thin cracks, joints, corners and edges should be supported using polyester felt after the first coat application. Polyester felt 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 72 hours).

■ Application tools

Mixer, brush, roller, notched trowel

■ Consumption

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

■ 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.
- Two components should only be mixed thoroughly using mechanical mixer. Ensure no unmixed material left at the bottom edges of the bucket.
- Priming application should be made prior to the application.
- Prepare material considering the pot life of the material.
- 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.

■ Technical specifications

PRODUCT	weberdry PUR B2K
Product structure	Bitumen polyurethane
Colour	Black
Pot life	30 minutes
Applicable coats	2-3 layers
Time required between coats	Minimum 12 hours; Maximum 72 hours
Initial drying time	3-5 hours
Time for light foot traffic	24 hours
Full curing time	7 days
Service temperature	Between -30°C and +90°C
Hardness (shore D)	35-40 (ASTM D 2240)
Adherence to concrete	>1.5 N/mm ² (ASTM D 903)
Elongation at break	>%2400 (DIN 52455)
Tensile strength	>6.5 N/mm ² (DIN 52455)
Vapour permeability	None

■ Storage

Packaging	20+20 liters metal bucket
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.

■ 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.