



we care



Suitable for waterproofing of exposed roofs, balconies, wet areas, car deck and over old bitumen felts.



weberdry PUR basic

## Product description

**weberdry PUR basic** is a highly permanent elastic cold applied, cold curing, single component solvent based polyurethane liquid applied waterproofing membrane.

weberdry PUR basic is based on pure elastomeric hydrophobic polyurethane resins which result in excellent mechanical, chemical, thermal and anti-root properties.

Cures by reaction with moisture in ground and air .

## Advantages

- Simple application (roller or airless spray).
- Forms seamless membrane without joints.
- Resistant to frost.
- Crack-bridging.
- Provides water vapor permeability, so the surface can breathe.
- Provides excellent thermal resistance, it never turns soft.
- Waterproofs old bitumen, asphalt felts by covering them, without the need to remove them prior to application.
- Maintains its mechanical properties over a temperature span of  $-30^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$ .
- Provides excellent adhesion to almost any type of surface.
- The waterproofed surface can be used for domestic and public pedestrian traffic.
- Resistant to detergents, oils, seawater and domestic chemicals.
- In case of any mechanical damage to coating, it can be repaired locally.
- No need to use open flames (torch) during application.

## Uses

- Waterproofing of roofs.
- Waterproofing of balconies, terraces and verandas.

- Waterproofing of wet areas (under-tile) in bathrooms, kitchens, balconies, auxiliary rooms, etc.
- Waterproofing of pedestrian traffic decks.
- Waterproofing of old bitumen felts, asphalt felts, EPDM and PVC membranes and old acrylic coatings.
- Protection of polyurethane foam insulation.

## Application

### Surface Preparation

- 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  $25\text{MPa}$  ( $\text{N}/\text{mm}^2$ ), cohesive bond strength at least  $1.5\text{MPa}$  ( $\text{N}/\text{mm}^2$ ). 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.
- Crack repair:
  - Cracks less than 2 mm thickness should be filled with weberwall crackbond.
  - Cracks greater than 2 mm should be repaired with cement sand mix modified by webertec SBR.
  - Filled cracks must be coated with a coat of weberdry PUR details after a period of 6 hours extending 50 mm on either side of crack.

**WARNING:** Do not wash surface with water!

### Priming

- Prime surfaces like concrete, cement screed, wood, bitumen- felts, metal, ceramic tiles and old coatings by using weberprim Epox 501.
- Allow the primer to cure according its technical datasheet.

### Waterproofing membrane

- Stir well before use. Pour weberdry PUR basic onto the prepared/primed surface and spread out by roller, brush or squeegee, until surface is covered in required thickness. You can use airless spray allowing a considerable saving of manpower.
- Reinforce always with weberdry fabric 65 at detail areas, like wall-floor connections, 90° angles, chimneys, pipes, waterspouts (siphon), etc. In order to do that, apply on the still wet weberdry PUR basic a correct cut piece of weberdry fabric 65 , press it to soak, and saturate again with another layer of weberdry PUR basic.
- After 12-18 hours (not later than 48 hours) apply another layer of weberdry PUR basic .Repeat this process in mentioned time frame if required layer thickness has not been achieved.
- 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.

### **ATTENTION:**

- We recommend reinforcement of the entire surface, with weberdry fabric. Use 5 - 10 cm stripe overlapping.
- Do not apply weberdry PUR basic over 0.6 mm 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.

### Finishing

- If a color stable and chalking-free surface is desired, apply one or two layers of weberdry PUR coat over weberdry PUR basic within recommended over-coating time.

**WARNING:** weberdry PUR basic is slippery when wet. In order to avoid slipperiness during wet days, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface. Please contact our technical dept. for more details.

### Consumption

1.2 – 2 kg/m<sup>2</sup> applied in two or three layers. This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption. In case of weberdry fabric reinforcement, consumption shall be higher.

### Colors

weberdry PUR basic is supplied in white and light grey.

### Packaging

weberdry PUR basic is supplied in 25 kg metal pails. Pails must be stored in dry and cool rooms for up to 12 months. Protect the material against moisture and direct sunlight. Storage temperature: 5°C - 30°C.

Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

## Safety measures

weberdry PUR basic contains isocyanates. See information supplied by the manufacturer. Please study the Safety Data sheet.

**FOR PROFESSIONAL USE ONLY!**

## Technical Data

PROPERTY	RESULTS	TEST METHOD
Elongation at break	> 600 %	ASTM D 412 / DIN 52455
Tensile strength	> 4 N/ mm <sup>2</sup>	ASTM D 412 / DIN 52455
Water vapor permeability	> 30 gr/m <sup>2</sup> /day	ISO 9932:91
Resistance to water pressure	No Leak ( 1m water column, 24h )	DIN EN 1928
Adhesion to concrete	>2,0 N/mm <sup>2</sup> (concrete surface failure)	ASTM D 903
Crack bridging capability	up to 2 mm crack (reinforced)	EOTA TR-008
Hardness (Shore A Scale)	65-70	ASTM D 2240 (15")
Hydrolysis (5% KOH, 7 days cycle)	No significant elastomeric change	Inhouse Lab
Construction material fire class	B2	DIN 4102-1
Service temperature	-30°C to +90°C	Inhouse Lab
Shock temperature (15 min)	200°C	Inhouse Lab
Rain stability time	3-4 hours	Conditions: 20°C, 50% RH
Light pedestrian traffic time	18-24 hours	
Final curing time	7 days	
Chemical properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.	



FDS / SDS / DoP  
Product information



<https://goo.gl/d39avs>

Scan QR code to download android app for product information and technical data for our complete product range, directly from your smartphone.



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