

## Liquid applied polyurethane waterproofing membrane-UV Resistant

### PRODUCT

**weberdry 360 PU** is a premium, liquid applied, highly permanent elastic cold applied and cold curing, one component polyurethane membrane used for long-lasting waterproofing such as:

- Roofs
- Balconies, terraces and verandas
- Wet areas (under-tile) in bathrooms, kitchens
- Pedestrian traffic deck
- Old bitumen felts, asphalt felts, EPDM and PVC membranes and old acrylic coatings.
- Concrete constructions like bridge-decks, tunnels, stadium stands, etc...

### PROPERTIES

- Simple application
- Resistant to water
- Resistant to frost
- Crack-bridging
- Provides water vapor permeability
- Provides excellent thermal resistance, it never turns soft
- Provides excellent adhesion
- Resistant to detergents, oils, seawater and domestic chemicals.



### PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
6 kg	6 kg	6 kg	6 kg	6 kg	6 kg	6 kg	6 kg
25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg

### CHARACTERISTICS

Property	Results	Test Method
Color	Off-white/ light grey (Other colors on demand)	
Nonvolatile solid content	>80%	ASTM C836 M-18
Density	1.4kg/LT ±0.1	
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 (1 m water column, 24 h)	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 elastometric change	Inhouse Lab
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	Conditions:20°C, 50% RH
Final curing time	7 days	Conditions:20°C, 50% RH
Chemicals properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils	

## INSTRUCTIONS FOR USE

### SURFACE PREPARATION

Careful surface preparation is essential for optimum finish durability.

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane. Maximum moisture content should not exceed 5%. Substrate compressive strength should be at least 25 MPa, cohesive bond strength at least 1.5MPa. New concrete structures need to dry for at least 28 days. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Any loose surface pieces and grinding dust need to be thoroughly removed.

### Repair of cracks and joints

The careful sealing of existing cracks and joints before the application is extremely important for long lasting waterproofing results.

- Clean concrete cracks and hairline cracks, of dust, residue or other contamination. Prime locally with **weberdry prime 310 PU** and allow 2-3 hours to dry. Fill all prepared cracks with **weber jointseal PU** or **weber jointseal PU MC**. Then apply a layer of **weberdry 360 PU**, 200 mm wide centered over all cracks and while wet, cover with a correct cut strip of a polyester, non-woven geotextile fabric (minimum 60-65 gr/m<sup>2</sup>). Press it to soak. Then saturate the weber geotextile fabric with enough **weberdry 360 PU** until it is fully covered. Allow 12 hours to cure.

- Clean concrete expansion joints and control joints of dust, residue or other contamination. Widen and deepen joints (cut open) if necessary. The prepared movement joint should have a depth of 10-15 mm. The width: depth ratio of the movement joint should be at ratio of approx. 2:1.

Apply some **weber jointseal PU** or **weber jointseal PU MC** on the bottom of the joint only. Then with a brush, apply a stripe layer of **weberdry 360 PU**, 200mm wide centered over and inside the joint. Place polyester, non-woven geotextile fabric over the wet coating and with a suitable tool, press it deep inside the joint, until it is soaked and the joint is fully covered from the inside. Then fully saturate the weber fabric with enough **weberdry 360 PU**. Then place a polyethylene cord of the correct dimensions inside the joint and press it deep inside onto the saturated fabric. Fill the remaining free space of joint with **weber jointseal PU** or **weber jointseal PU MC**. Do not cover. Allow 12-18 hours to cure.

### Priming

Prime very absorbent surfaces with **weberdry prime 310 PU**. Prime surfaces like bitumen-asphaltfelts with **weberdry prime EP 2K** water based epoxy primer. Prime

non-absorbent surfaces like metal, ceramic tiles and old coatings with **weberdry prime EP 2K**.

Allow the primer to cure according its technical instruction.

### PRODUCT APPLICATION

Stir well before using. Apply the first layer of **weberdry 360 PU** by roller, brush or airless spray until all surface is covered. Reinforce the **weberdry 360 PU** with polyester non-woven geotextile at areas, like wall-floor connections, 90° angles, chimneys, pipes, waterspouts, etc.

After 12-18 hours (not later than 48 hours) apply another layer of **weberdry 360 PU**. (For any special or detailed application please to contact our technical support department)

Do not apply the **weberdry 360 PU** over 0.6 mm thickness (dry film) per layer. For best results, the temperature during the application and cure should be between 5°C and 35°C.

Tools are to be cleaned before polymerization with xylene.

### 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.

### STORAGE

Pails should be stored in dry and cool rooms, on an upside down position, for up to 12 months from manufacturing date in an unopened original package.

Protect the material against moisture and direct sunlight. Storage temperature should be between +5°C and 30°C.

### SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO<sub>2</sub> foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

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