

One component cold applied polyurethane waterproofing coating

PRODUCT

weberdry 390 PU is liquid-applied polyurethane waterproofing membrane highly permanent elastic, cold applied and cold curing, one component polyurethane membrane used for long lasting waterproofing.

weberdry 390 PU is based on pure elastomeric hydrophobic polyurethane resins, which result in excellent mechanical, chemical, thermal and natural element resistance properties. Cures by reaction with ground and air moisture.

PROPERTIES

- Simple application (roller or airless spray). No need to use open flames (torch) during application.
- When applied, it forms a seamless membrane without joints or leak possibilities
- Resistant to water
- Resistant to frost
- Can be walked on
- Provides excellent adhesion to almost any type of surface.
- Provides excellent crack-bridging properties.
- Provides water vapor permeability, so the surface can breathe.
- Provides excellent thermal resistance, it never turns soft.
- Maintains its mechanical properties over a temperature span of -30°C to +90°C
- Even if the membrane gets mechanically damaged, it can be easily repaired locally within minutes
- 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

SCOPE OF USE

Waterproofing of wet areas (under-tile application) in bathrooms, balconies, terraces, kitchens, auxiliary rooms etc...

CHARACTERISTICS

Property	Results	Test Method
Elongation at Break	400 %	ASTM D 412 / DIN 52455
Tensile strength	> 4 N/ mm2	ASTM D 412 / DIN 52455
Water Vapor Permeability	> 25 gr/m2/day	ISO 9932:91
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN EN 1928
Adhesion to concrete	>2,0 N/mm 2 (concrete surface failure)	ASTM D 903
Hardness (Shore A Scale)	65	ASTM D 2240 (15°)
Thermal Resistance (80°C for 100 days)	Passed - No significant changes	EOTA TR-011
Hydrolysis (5% KOH, 7days cycle)	No significant elastomeric change	Inhouse Lab
Service Temperature	-30°C to +90°C	Inhouse Lab
Tack Free Time	8 hours	Conditions: 20°C, 50% RH
Light Pedestrian Traffic Time	24 hours	Conditions: 20°C, 50% RH
Final Curing time	7 days	Conditions: 20°C, 50% RH
Chemical 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 and durability.

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane.

Moisture content should not exceed 5%. Substrate compressive strength should be at least 25MPa, 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.

Possible surface irregularities need to be smoothed.

Any loose surface pieces and grinding dust need to be thoroughly removed. Do not wash surface with water!

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 the **weberdry prime 310 PU** and allow 2-3 hours to dry.

Fill all prepared cracks with **weber jointseal PU** or **weber jointseal PU MC Sealant**. Then apply a layer of **weberdry 390 PU**, 200 mm wide centered over all cracks and while wet, cover with a correct cut stripe of the **Geotextile.white PET**. Press it to soak. Then saturate the **Geotextile.white PET** with **weberdry 390 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 a rate of approx. 2:1.

Apply some **weber jointseal PU** or **weber jointseal PU MC Sealant** on the bottom of the joint only. Then with a brush, apply a stripe layer of **weberdry 390 PU**, 200mm wide centered over and inside the joint. Place the **Geotextile.white PET** 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 fabric with enough **weberdry 390 PU**. Then place a weber backing rod of the correct dimensions inside the joint and press it deep inside onto the saturated fabric. Fill the remaining free space of the joint with **weber jointseal PU** or **weber jointseal PU MC Sealant**. Do not cover. Allow 12- 18 hours to cure.

PRIMING

Brittle substrate must be primed with **weberdry prime 310 PU**. Allow the primer to cure according its technical instruction. On stable, sound and well-prepared concrete surfaces, no primer is necessary.

WATERPROOFING MEMBRANE

Stir well before using for at least 2-3 minutes. Apply the **weberdry 390 PU** onto the surface by roller or brush, until all surface is covered. After 12-18 hours (not later than 48 hours) apply another layer of the **weberdry 390 PU**.

If the **weberdry 390 PU** is to be covered with ceramic tiles, fully saturate with oven-dry silica sand (corn-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.

Reinforce always with the **Geotextile.white PET** or **weber band** at problem areas, like wall-floor connections, 90° angles, chimneys, pipes, waterspouts (siphon), etc. In order to do that, apply on the still wet **weberdry 390 PU** a correct cut piece of **Geotextile.white PET** or **weber band**, press it to soak, and saturate again with enough **weberdry 390 PU**.

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.

WARNING:

The **weberdry 390 PU** is slippery when wet. In order to avoid slipperiness, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface. Please contact our Technical support for more details.

CONSUMPTION

1,2 – 1.5 kg/m² 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

9 months, stored in a dry and cool rooms in unopened original packaging. Protect the material against moisture and direct sunlight. Storage temperature: 5°- 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 CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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