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

**CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Property</th>
<th>Results</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Off-white/ light grey (Other colors on demand)</td>
<td></td>
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<tr>
<td>Elongation at break</td>
<td>&gt;600%</td>
<td>ASTM D 412/ DIN 52455</td>
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<tr>
<td>Tensile strength</td>
<td>&gt;4 N/mm²</td>
<td>ASTM D 412/ DIN 52455</td>
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<tr>
<td>Water vapor permeability</td>
<td>&gt;30 gr/m²/day</td>
<td>ISO 993291</td>
</tr>
<tr>
<td>Resistance to water pressure</td>
<td>No leak (1 m water column, 24 h)</td>
<td>DIN EN 1928</td>
</tr>
<tr>
<td>Adhesion to concrete</td>
<td>&gt;2.0 N/mm² (concrete surface failure)</td>
<td>ASTM D 903</td>
</tr>
<tr>
<td>Crack bridging capability</td>
<td>up to 2 mm crack (reinforced)</td>
<td>EOTA TR-003</td>
</tr>
<tr>
<td>Hardness (Shore A scale)</td>
<td>65 - 70</td>
<td>ASTM D 2240 (15')</td>
</tr>
<tr>
<td>Hydrolysis(5% KOH, 7 days cycle)</td>
<td>No significant elastomeric change</td>
<td>Inhouse Lab</td>
</tr>
<tr>
<td>Service temperature</td>
<td>-30°C to +50°C</td>
<td>Inhouse Lab</td>
</tr>
<tr>
<td>Shock temperature (15 min)</td>
<td>200°C</td>
<td>Inhouse Lab</td>
</tr>
<tr>
<td>Rain stability time</td>
<td>3 - 4 hours</td>
<td>Conditions.20°C, 50% RH</td>
</tr>
<tr>
<td>Light pedestrian traffic time</td>
<td>18 - 24 hours</td>
<td>Conditions.20°C, 50% RH</td>
</tr>
<tr>
<td>Final curing time</td>
<td>7 days</td>
<td>Conditions.20°C, 50% RH</td>
</tr>
<tr>
<td>Chemicals properties</td>
<td>Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils</td>
<td></td>
</tr>
</tbody>
</table>

**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 15MPa. 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 weber dry 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/m²). 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 rate 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-asphalt felts 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.

**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 problem 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**
12-2 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**
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 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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