

## Weberdry PUR Seal

Polyurethane-based, UV resistant, elastomeric waterproofing



Weberdry PUR Seal is a liquid-applied, elastomeric, cold applied and cold curing, polyurethane waterproofing. It cures into a mechanical, chemical, thermal, and UV-resistant membrane.

### PRODUCT BENEFITS



POLYURETHANE



SEAMLESS



ELASTOMERIC

### USES

Weberdry PUR Seal is for exposed areas such as roofs, balconies, terraces, swimming pools, pedestrian, and vehicular traffic decks. Waterproofing of walls and floors in bathrooms, auxiliary rooms, and wet rooms. It is also suitable for green roofs and planter boxes. In addition, it serves as a protective layer for polyurethane foam insulation, as well as a coating for old bitumen felts, epdm, pvc membranes, and existing acrylic coatings.

### ADVANTAGES

- Flexible & seamless
- Resist high UV conditions
- Resistant to stagnating water
- High hydrostatic pressure resistant
- Weathering & chemicals resistant
- Excellent water vapour permeability

### TECHNICAL DATA & PHYSICAL PROPERTIES

<b>Colour</b>	White, Light Grey
<b>Service Temperature</b>	-30 °C to +90 °C
<b>Adhesion to Concrete (ASTM D903)</b>	≥ 2.0 N/mm <sup>2</sup>
<b>Adhesion to Substrate (ASTM D7234-21)</b>	> 2.0 N/mm <sup>2</sup>
<b>Crack Bridging Capability (EOTA TR-008)</b>	No cracks at 2 mm width, No cracks after 10 cycles of stretching and closing to a width of 1mm
<b>Shore A Hardness (ASTM D2240)</b>	> 60

**Tensile Strength (ASTM D412)**

<b>Before ageing</b>	≥ 1.2 N/mm <sup>2</sup>	
<b>After ageing at 50°C, 14 days</b>	≥ 4.0 N/mm <sup>2</sup>	
<b>After immersion for 72 hours at room temp.</b>		0.5% NaOCl
		1.25% NH <sub>4</sub> OH
	3.7% HCl	

**Elongation at Break (ASTM D412)**

<b>Before ageing</b>	≥ 550%	
<b>After ageing at 50°C, 14 days</b>	≥ 450%	
<b>After immersion for 72 hours at room temp.</b>		0.5% NaOCl
		1.25% NH <sub>4</sub> OH
	3.7% HCl	

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### TECHNICAL DATA & PHYSICAL PROPERTIES

<b>Tear Strength</b>	> 37 kN/m
<b>Set to Touch</b>	Should touch dry within 60 mins
<b>Water Vapour Permeability</b> (ISO 9932: 91)	0.84 g/m <sup>2</sup> h
<b>Solar Reflectance (SR)</b> (ASTM E903-96)	0.87
<b>Solar Emittance (ε)</b> (ASTM E408-71)	0.89
<b>Thermal Resistance</b> (EOTA TR-011)	Passed - No significant changes (80° for 100 days)
<b>UV Accelerated Ageing</b> (EOTA TR-010)	Passed - No significant changes
<b>Chemical Resistance</b>	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.
<b>Resistance to Mechanical Damage</b> (EOTA TR-007)	Class P3: High (By static impression)
<b>Resistance to Mechanical Damage</b> (EOTA TR-006)	Class P3: High (By dynamic impression)
<b>Resistance to Root Penetration</b> (UNE 53420)	Resistant
<b>Resistance after water aging</b> (EOTA TR-012)	Passed
<b>Hydrolysis (5% KOH, 7days cycle)</b>	No significant elastomeric change
<b>Construction Material Fire class</b> (DIN 4102-1)	B2
<b>Resistance to Flying Sparks &amp; Heat</b> (DIN 4102-7)	Passed
<b>Resistance to Water Pressure</b> (DIN EN 1928)	No leak (1m water column for 24 hour)
<b>Shock Temperature</b>	200 °C (20 mins)
<b>Rain Stability Time</b>	3 - 4 hours @ 20°C, 50% RH
<b>Light Pedestrian Traffic Time</b>	18 - 24 hours @ 20°C, 50% RH
<b>Final Curing Time</b>	7 days @ 20°C, 50% RH

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

### PROCEDURE & APPLICATION



#### Surface Preparation

All surfaces must be dry, clean, sound, and free from any laitance, oil, grease, and any contaminants. The moisture content should be <5%, with a compressive strength of ≥25 MPa and cohesive bond strength of ≥1.5 MPa. Eliminate old coatings, dirt, and organic substances using a grinding machine or shot blasting. Smooth out surface irregularities. Repair cracks larger than 0.2 mm with injection resin. Open the crack in a v-shape using a diamond disc saw. Cut perpendicularly to the crack at a distance of 15-20 cm, and place reinforcing metal blades inside. Pour injection resin into the crack until saturation.

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## PROCEDURE & APPLICATION



### Primer

Prime the prepared surface using Weberprim EP 500 PR, a solvent-free epoxy primer. The primer must be tacky to ensure proper adhesion.



### Application

Stir well before use. Pour Weberdry PUR Seal onto the surface and spread it out by roller, brush, or squeegee, until the required thickness is achieved (not exceeding 0.6 mm DFT). Reinforce detail areas by applying Weber Fibreglass Netting (5-10 cm strip overlapping) on top of the wet Weberdry PUR Seal. Let it soak and saturate again with Weberdry PUR Seal. After 12-18 hours, apply another layer of Weberdry PUR Seal. Repeat this process if required layer thickness has not been achieved.

For ceramic tiles: Fully saturate the final layer with oven-dried silica sand (0.4-0.8 mm) while still wet. This saturation creates an adhesion bridge for the tile adhesive.



### Topcoat

- If a colour stable and chalking-free surface is desired, apply one or two layers of Weberdry PUR Coat over Weberdry PUR Seal.
- If a heavy duty, abrasion resistant surface is desired, apply two layers of Weberdry PUR Coat Traffic. A final layer of Weberdry PUR Seal must be scattered with oven-dried silica sand (0.4-0.8 mm) in advance.

## CONSUMPTION

Approx. 10 – 17 m<sup>2</sup> for 2 – 3 coats application for 25 kg pail.

## CLEANING

All tools and equipment should be cleaned with water immediately after use. Remove cured material with a general-purpose solvent.

## STORAGE & PACKING

Weberdry PUR Seal is available in 25 kg pail. Shelf life of 12 months if unopened, and kept in dry conditions and between 5°C to 30°C. Keep away from direct sunlight.

## HEALTH & SAFETY

Recommend to wear NIOSH approved or equivalent particulate face mask when mixing the material. Material may irritate eyes and skin. In case of contact with eyes, rinse immediately with plenty of water, and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water. Keep out of reach of children.

\*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jul '25)

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