

Weberdry PUR Bitumen

Liquid applied, polyurethane waterproofing membrane



Weberdry PUR Bitumen is a liquid applied, moisture-cured, polyurethane waterproofing membrane. It forms a seamless and durable membrane for interior and exterior walls and floors.

PRODUCT BENEFITS



POLYURETHANE BASED



SEAMLESS



ELASTOMERIC

USES

Weberdry PUR Bitumen is applicable to concrete, brick, wood, cement block, metal, etc. It is suitable for basements, slabs, retaining walls, roofs, swimming pools, balconies, and wet rooms.

ADVANTAGES

- Excellent adhesion
- Crack bridging of up to 2mm width
- Able to accommodate light human traffic
- Excellent chemical resistance

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Black
Service Temperature	-40 to +90 °C
Tack Free Time	5 - 6 hours (20°C, 50% RH)
Light Pedestrian Traffic Time	24 - 48 hours
Final Curing Time	7 days
Elongation at Break (ASTM D 412)	

Before ageing	≥ 150 %
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After ageing at 50°C, 14 days

After immersion for 72 hours at room temp.	0.5% NaOCl	≥ 120% and -ve change ≤20%. No limit for positive change.
	1.25% NH4OH	
	3.7% HCl	

Tensile Strength (ASTM D 412)	Before ageing	≥ 1.2 N/mm ²
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After ageing at 50°C, 14 days

After immersion for 72 hours at room temp.	0.5% NaOCl	≥ 1.0 N/mm ² and -ve change ≤20%. No limit for positive change.
	1.25% NH4OH	
	3.7% HCl	

Crack Bridging
No cracks after 10 cycles of stretching and closing to a width of 1mm. No cracking at 2mm width
~ 1.0 N/mm²

E-Modulus (ASTM D 412)
Resistance to Water Penetration
Tear Resistance (ASTM D 624)
Depth of penetration should be 0
NIL

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TECHNICAL DATA & PHYSICAL PROPERTIES

Puncture Resistance (ASTM E 154)	> 100 N
Resistance to Hydrostatic Pressure (DIN 16726)	No leak @ 3 bar
Adhesion to Concrete (ASTM D 903)	> 1.0 N/mm ²
Adhesion to Substrate (ASTM D7234-21)	≥ 0.2 N/mm ²
Shore A Hardness (ASTM D 2240 - 15)	≥ 30
Thermal Resistance (EOTA TR-011)	Passed - No significant changes (80°C for 100 days)
Hydrolysis	No significant elastomeric change (5% KOH, 7 days)
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.
Set-to-Touch (min)	Should touch dry within 60mins

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 clean, sound, and free from any laitance, oil, grease, and any contaminants. The surface's moisture content must be ≤5%. Substrate's compressive strength should be ≥25MPa and bond strength ≥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 with a grinding machine. Do not wash surface with water.



Application

Stir well before use for 2-3 minutes. Apply Weberdry PUR Bitumen with a brush, roller, until the surface is covered. Reinforce problem areas with E.MIX Fibreglass Netting. Apply E.MIX Fibreglass Netting on the wet Weberdry PUR Bitumen, press it to soak, and saturate again with Weberdry PUR Bitumen. Use 5-10 cm stripe overlapping. The recommended wet film thickness is 0.6mm for a vertical and horizontal wall. Allow 8-24 hours for the first coat to cure before the second coat. Apply the second layer in a perpendicular direction to the first coat. A minimum of 2 coats is recommended. Leave the second coating for at least 24 hours before conducting tests.

Protect the waterproofing membrane while setting from rain. Weberdry PUR Bitumen is not supposed to be left exposed, protect it by laying a screeding material, or directly tiled after the second layer has dried to prevent damage to the waterproof membrane.



The water leakage test may commence after 48 hours from the application of the final coat, which would have dried after curing in ambient conditions.

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CONSUMPTION

Approx. 12.5 - 18 m² for 2 coats application for 25 kg pail @ 1.0 mm DFT.

CLEANING

Remove cured material using a general-purpose solvent.

STORAGE & PACKING

Weberdry PUR Bitumen is available in 25 kg pails.
Shelf life of 9 months if unopened, kept in dry conditions and between 5°C to 30°C.

HEALTH & SAFETY

Weberdry PUR Bitumen 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. Please 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. (Jan '26)

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