



Suitable for retaining walls, foundations and undertile waterproofing systems



weberdry PUR bitumen

Product description

weberdry PUR bitumen is a liquid-applied, permanent elastic, cold applied and cold curing, bitumen extended, single component solvent based polyurethane membrane used for long-lasting waterproofing.

The weberdry PUR bitumen is based on pure elastomeric hydrophobic polyurethane resins, and is extended with chemically polymerized virgin bitumen, which result in excellent mechanical, chemical, thermal and natural element resistance properties.

weberdry PUR bitumen cures by reaction with ground and air moisture.

Advantages

- Simple application.
- When applied forms seamless membrane.
- Resistant to frost.
- Provides crack-bridging properties.
- Provides excellent thermal resistance, it does not turn soft.
- Maintains its mechanical properties over a temperature span of -30°C to $+90^{\circ}\text{C}$.
- Provides excellent adhesion to almost any type of surface.
- Resistant to domestic chemicals.
- Even if the membrane gets mechanically damaged, it can be easily repaired.
- Does not need the use of open flames (torch) during application.

Uses

- Waterproofing of foundations
- Waterproofing of retaining walls
- Under-tile waterproofing in bathrooms, terraces, roofs, etc.

Application

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.
- Maximum 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.

WARNING: Do not wash surface with water!

Priming

- On sound, high quality concrete surfaces no primer is necessary.
- Prime absorbent and brittle concrete or brittle cement screed surfaces with weber-prim Epox 501.
- Prime non-absorbent surfaces like metal, ceramic tiles and old coatings with weber-prim Epox 501.
- Allow the primer to cure according to its technical instructions.

Waterproofing membrane

- Stir well before use for at least 2 - 3 min.
- Apply the weberdry PUR bitumen onto the surface by roller or brush, until all surface is covered.
- Reinforce always with the weberdry PUR fabric at problem areas, like wall-floor connections, 90° angles, chimneys, pipes, waterspouts (siphon), etc.
- In order to reinforce, apply on the wet weberdry PUR bitumen a correct cut piece of weberdry fabric, press it to soak, and saturate again with enough weberdry PUR bitumen. We recommend the reinforcement of the entire surface, with the weberdry fabric. Use 5 - 10 cm stripe overlapping.
- After 8 - 24 hours, apply another layer of weberdry PUR bitumen. For demanding applications, apply a third layer of the weberdry PUR bitumen.
- If the weberdry PUR bitumen is to be covered with ceramic tiles, fully saturate final layer with oven-dry silica sand (size 0.4 - 0.8 mm) while wet. This saturation will create an adhesion bridge to the tile adhesive that will follow.
ATTENTION: Do not apply the weberdry PUR bitumen over 0.6 mm thickness (dry film) per layer.
- For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speeds up curing. High humidity may affect the final finish.
WARNING: weberdry PUR bitumen is slippery when wet. In order to avoid slipperiness, sprinkle suitable aggregates onto wet coating to create an anti-slip surface.

Protection on Foundations or Retaining Walls

- Protect the cured weberdry PUR bitumen, with a drainage board before backfilling.
- If an additional (optional) thermal insulation is required, place an insulation board (XPS, EPS, PUR, etc) on the cured weberdry PUR bitumen. Subsequently, place protective drainage board.

Consumption

1.4 - 2.0 kg/m² applied in two or three coats. 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 the consumption. In case of weberdry PUR fabric reinforcement, consumption increases.

Colors

The weberdry PUR bitumen is supplied in black.

Packaging

weberdry PUR bitumen is supplied in 25 kg metal pails. Pails should be stored in dry and cool rooms for up to 12 months. Protect the material against moisture and direct sunlight. Storage temperature: 5°C - 30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Safety measures

weberdry PUR bitumen contains isocyanates. See information supplied by the manufacturer. Please refer safety datasheet.

FOR PROFESSIONAL USE ONLY!

Technical Data

PROPERTY	RESULTS	TEST METHOD
Elongation at Break	> 600 %	ASTM D 412 / DIN 52455
Tensile Strength	> 4.5 N/ mm ²	ASTM D 412 / DIN 52455
E-Modulus	~1.0 N/ mm ²	ASTM D 412 / DIN 52455
Tear Resistance	15 N/ mm	ASTM D 624
Puncture Resistance	> 100 N	ASTM E 154
Resistance to Hydrostatic pressure	No Leak @ 3 bar (30 m water column)	DIN 16726
Adhesion to concrete	> 1.0 N/mm ²	ASTM D 903
Hardness (Shore A Scale)	40	ASTM D 2240 (15")
Thermal Resistance (80°C for 100 days)	Passed - No significant changes	EOTA TR-011
Hydrolysis (5% KOH, 7 days cycle)	No significant elastomeric change	Inhouse Lab
Service Temperature	-40°C to +90°C	Inhouse Lab
Tack Free Time	5-6 hours	Conditions: 20°C, 50% RH
Light Pedestrian Traffic Time	24 - 48 hours	
Final Curing time	7 days	
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.	



FDS / SDS / DoP
Product information



<https://goo.gl/d39avs>

Scan QR code to download android app for product information and technical data for our complete product range, directly from your smartphone.



Saint-Gobain India Pvt. Ltd. - Weber Business

5th Level, Leela Business Park, Andheri-Kurla Road, Andheri (East), Mumbai-400 059, Maharashtra. India.

Email: weber-india@saint-gobain.com Website : www.in.weber



18004252778

www.in.weber



/SaintGobainWeberIndia



/SGWeberIndia



/SaintGobainWeberIndia



/SaintGobainWeberIndia



/company/saint-gobain-weber-india