



weberdry PUR seal 2K



Food grade waterproofing membrane coating ideal for waterproofing of surfaces in contact with water



Product description

weberdry PUR seal 2K is a liquid-applied, solvent-free, hard-elastic, cold applied and cold curing, two component polyurethane membrane used for long-lasting waterproofing and protection.

Cures by reaction (cross linking) of the two components.

Advantages

- Certified for safe use in potable (drinking) water reservoirs.
- When applied forms seamless membrane without joints or leak possibilities.
- Resistant to cold water, warm water and frost.
- Maintains its mechanical properties over a temperature span of -30°C to $+90^{\circ}\text{C}$
- Remains elastic even at low (frost) temperature.
- Odor- free.
- Solvent- free.
- Full surface adherence.
- The waterproofed surface can be walked on.

Uses

- Waterproofing of drinking water tanks and reservoirs.
- Waterproofing of drinking water supply channels.
- Waterproofing of drinking water pipes.
- Odorless waterproofing of wet areas (under-tile) in bathrooms, swimming pools, kitchens, etc.
- Used for waterproofing of surfaces in direct contact with potable (drinking) water.
- Used for waterproofing of not well-ventilated, wet rooms and wet areas (bathrooms, kitchens, etc.) applied beneath tiles, when an odorless, solvent-free coating is required.

Method of application

Surface Preparation

- Careful surface preparation is essential for optimum finish and durability.
- The surface needs to be clean and sound, free of any contamination, which may harmfully affect the adhesion of the primer.
- Maximum moisture content should not exceed 5%. Substrate compressive strength should be at least 25 MPa (N/mm^2), cohesive bond strength at least 1.5 MPa (N/mm^2). Old coatings, dirt, organic substances and dust need to be removed by a grinding machine.
- Oil or grease contamination must be cleaned substantially. Possible surface irregularities need to be smoothed. Any loose surface particles and grinding dust need to be thoroughly removed.
- Crack repair: We recommend treating static cracks in substrate, wider than 0.2 mm to repair by using injection resin. The crack has to be opened v- shaped by using diamond disc saw. Then cut rectangular to crack in a distance of 15 – 20 cm and place reinforcing metal blades inside. Pour injection resin into crack until saturation. Cracks in vertical surfaces should be threatened by high pressure injection of epoxy resin.

WARNING: Do not wash surface with water!

Priming

Prime surfaces, like concrete, cement screed, metal, and ceramic tiles by using weberprim Epox 501 primer ($\text{min. } 100 - 200 \text{ g}/\text{m}^2$). Allow 6 - 12 hours to cure.

Mixing

Stir weberdry PUR seal 2K Component A well before using. Then add weberdry PUR seal 2K Component B at the correct mixing ratio. weberdry PUR seal 2K Component A and Component B

should be mixed by low speed mechanical stirrer, for about 3-5 min.

ATTENTION: The mixing of the components has to be effected very thoroughly, especially on the walls and bottom of the pail until the mixture becomes fully homogeneous.

Application of waterproofing membrane

- Pour the entire weberdry PUR seal 2K A+B mixture, onto the primed and prepared surface and spread out by roller or brush, until surface is covered.
- Reinforce always with weberdry fabric at detail areas, like wall-floor connections, 90° angles, chimneys, pipes, waterspouts (siphon), etc. In order to do that, apply on the still wet weberdry PUR seal 2K a correct cut piece of weberdry fabric, press it to soak, and saturate again with another layer of weberdry PUR seal 2K.
- After 12-18 hours - but not later than 48 hours apply second layer of weberdry PUR seal 2K by using roller or brush. Repeat this process in mentioned time frame if required layer thickness has not been achieved.
- If waterproofing coat is to be covered with ceramic tiles, fully saturate with oven-dried silica sand (aggregate -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

ATTENTION: Please ensure consumption within the pot life of the product (app. 30 min at +20°C) Please do not leave the mixed weberdry PUR seal 2K A+B coating in the pail for long, because the exothermic reaction accelerates the curing and will shorten the pot-life. Directly after mixing pour the mixture on the surface or in smaller pails to minimize the exothermic reaction.

RECOMMENDATION: For best results, the temperature during application and cure should be between +5°C and +30°C. Low temperatures

retard cure while high temperature speed up curing.

WARNING: weberdry PUR seal 2K is slippery when wet. In order to avoid slipperiness during wet days, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface. Please contact Weber technical services for more details. High humidity may affect the final finish.

Consumption

1.5 - 2.5 kg/m² applied in two or three layers fully reinforced. This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

Colors

weberdry PUR seal 2K is supplied in off-white, and grey. Due to the sensitivity of aromatic polyurethane to UV rays, the applied coating might yellow and fade on the surface. This change in appearance does not modify its mechanical properties or leak tightness.

Packaging

weberdry PUR seal 2K A+B is supplied in 15 + 2.5 kg 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 description, batch number and application precaution labels.

Technical parameters

PROPERTY	RESULTS	TEST METHOD
Composition	Polyurethane Resin + Hardener	
Mixing Ratio	A+B = 6:1 by weight	
Resistance to Water Pressure	No Leak (1 m water column, 24 h)	DIN EN 1928
Elongation at Break	> 100%	ASTM D 412
Adhesion to concrete	> 2.0 N/mm ²	ASTM D 903
Hardness (Shore A Scale)	70 ± 5	ASTM D 2240
Solids Content	100%	CALCULATED
UV accelerated ageing, in the presence of moisture	Passed - No significant changes	EOTA TR-010
Hydrolysis (5% KOH, 7 days cycle)	No significant elastomeric change	Inhouse Lab
Service Temperature	-40°C to +90°C	Inhouse Lab
Tack Free Time	6-8 hours	Conditions: 20°C, 50% RH
Light Pedestrian Traffic Time	24 hours	
Final Curing time (ponding test)	7 days	
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.	

Safety measures

weber.dry PUR seal 2K contains isocyanate. See information supplied by the manufacturer. Please study the Safety Data sheet.

FOR PROFESSIONAL USE ONLY!



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](#)