weber
SAINT-GOBAIN

weberdry PUR trans

Transparent waterproofing membrane ideal for balconies, tiled surface, glass and for protection of natural stones

EASY TO APPLY

IMPERMEABLE

FLEXIBLE

TRAFFIC RESISTANT

UV STABLE

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weberdry PUR trans

Product description

weberdry PUR trans is a transparent, hard-elastic, one component, aliphatic polyurethane, high-solids coating, used for long-lasting waterproofing. This high-technology coating is UV-stable, non-yellowing, weather stable, alkali- and chemical resistant and even after aging it remains transparent and elastic.

weberdry PUR trans protects and waterproofs mineral surfaces against water penetration, frost, smog and acid rain. Aged and oxidized plastic surfaces look more transparent after coating with weberdry PUR trans. It waterproofs damaged glass surfaces and protects of glass fragments in case of breaking.

weberdry PUR trans is used also as a transparent binder resin for sand- carpet floor coating applications, especially in exterior applications where flexibility and UV stability is required.

weberdry PUR trans is using a unique curing system (moisture triggered) and does not form bubbles.

Advantages

- Simple application (roller).
- When applied forms seamless transparent membrane.
- UV stable.
- Resistant to water and frost.
- Crack-bridging.
- Provides water vapor permeability.
- Provides excellent thermal resistance, it does not turn soft.
- Provides excellent weather resistance.
- Maintains its mechanical properties over a temperature span of -40°C to +90°C.
- Provides excellent adhesion to tiles and glazed surface.
- The waterproofed surface can be used for domestic (low) pedestrian traffic.
- Resistant to detergents, oils, seawater and domestic chemicals.
- Even if the membrane gets mechanically damaged, it can be easily repaired locally.
- Used as a binder resin for sand-carpet applications, provides high elasticity and flexibility, making it ideal for applications on balconies and terraces.

Uses

- Transparent waterproofing of balconies and terraces.
- Transparent waterproofing of tiled surfaces.
- Transparent waterproofing of glass and glass-bricks.
- Transparent waterproofing and protection of natural stones.
- Transparent waterproofing of transparent plastics (e.g. polyacrylate, polycarbonate).
- Transparent waterproofing and protection of wood.

Also used as a transparent binder resin for sand-carpet exterior floor coating applications.

Application as a transparent waterproofing coat

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%. New concrete structures need to dry for at least 28 days.
- Old coatings, dirt, fats, oils, organic substances and dust need to be removed. Activate (prime) and degrease glass and glazed

surfaces with the weberprim PUR tile.

- Possible surface irregularities need to be smoothened. Any loose pieces and dust need to be thoroughly removed.

ATTENTION: Surfaces with trapped moisture (e.g. trapped moisture under tiles) must be left to dry completely (max. 5% moisture), before the application of the coating.

WARNING: Do not apply weberdry PUR trans on ceramic surfaces with ascending nitric salts in the joints, without suitable pre-treatment. Do not apply on surfaces treated in the past with active silane, siloxane, silicon or other water-repellents, because of expected poor adhesion. We recommend an adhesion test, if circumstances and surface history are not clear. On marble and granite stones an adhesion test is mandatory.

Priming (Activation of Surface)

- Prime (activate) non-absorbent glazed surfaces, like glazed tiles, glass and glass bricks with weberdry PUR Trans tile primer.
- Apply the weberprim PUR tile by soaking a clean and dry cloth, and wipe the entire surface off. By this application procedure, you ensure that besides the chemical activation (priming) of the surface, the surface is getting also very effectively degreased. Change clothes often. Make sure that enough quantity of weberprim PUR tile is applied on the entire surface to primed and make sure that you do not leave any untreated spots.

ATTENTION: If applied on transparent plastics (polycarbonate, polyacrylate, etc) do not use the weberprim PUR tile.

Transparent waterproofing membrane

Pour the weberdry PUR trans onto the primed

- surface and lay it out by roller or by suitable notched trowel, until all surface is covered.
- After 12 hours - but not later than 18 hours apply a second layer of weberdry PUR trans by using roller or brush.
- For better waterproofing and wear resistance results, apply a third layer of the weberdry PUR trans coating.

ATTENTION: Do not apply weberdry PUR trans over 1mm 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 speed up curing. High humidity may affect the final finish.

Finishing

If a satin matt surface is desired, apply one layer of weberdry PUR trans finish.

WARNING: weberdry PUR trans and/or the weberdry PUR Trans SYSTEM 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.

Application as binder for sand-carpet coating

Surface preparation

- Careful surface preparation is essential for optimum finish and durability. If applied on weberdry PUR seal, make sure that the surface is clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the sandcarpet coating. Maximum moisture content should not exceed 5%.
- Possible surface irregularities need to be smoothened. Any loose pieces and dust need to be thoroughly removed. Do not wash surface with water.
- If applied onto concrete, make sure that the surface is clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane. Maximum

moisture content should not exceed 5%. New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils, organic substances and dust need to be removed. Possible surface irregularities need to be smoothened. Any loose pieces and dust need to be thoroughly removed. Do not wash surface with water.

Primer

Prime concrete surfaces with weberprim Epox 501 primer and broadcast silica sand while still wet.

Sand-carpet coating

- Mix weberdry PUR trans with colored silica sand (aggregate size 0.7 - 1.2 mm or 2.0 - 3.5 mm) in a mixing ratio of 1 : 10 (resin: sand) by weight, with a low speed mechanical mixer, until the mixture becomes fully homogenous. Pour the mixture onto the prepared surface and apply by flat trowel.

For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

Consumption

0.8 - 1.2 kg/m² 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.

Colors

weberdry PUR trans is supplied transparent.

Packaging

weberdry PUR trans is supplied in 5 kg & 20 kg pails. Pails should be stored in dry and cool rooms for up to 9 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 trans contains isocyanates. See information supplied by the manufacturer. Please study the Safety Data sheet.

PROFESSIONAL USE ONLY.

weberdry PUR trans

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Technical Data

PROPERTY	RESULTS	TEST METHOD
Composition	Polyurethane high-solids pre-polymer	
Elongation at Break	322%	DIN EN ISO 527
Tensile Strength	25.4 N/mm2	DIN EN ISO 527
E-modulus	69.5 N/mm2	DIN EN ISO 527
Tear resistance	56.9 N/mm	DIN ISO 34, Method B
Elongation at break after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m2)	298%	DIN EN ISO 527
Tensile strength after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m2)	25.5 N/mm2	DIN EN ISO 527
Gloss retention after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m2)	Good	DIN 67530
Surface chalking after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m2)	No chalking observed. Chalking grade 0	DIN EN ISO 4628-6
Hardness (SHORE D Scale)	25	ASTM D 2240
Water vapor permeability	8.05 gr/m2 .24hours	EN ISO 12572
Resistance to Water Pressure	No Leak (1 m water column, 24h)	DIN EN 1928
Adhesion to absorbent ceramic tile	>2,0 N/mm2 (ceramic tile failure)	ASTM D 903 (ELCOMETER)
Hydrolysis (5% KOH, 7days 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	7 days	
Chemical Properties	Good resistance against 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.

ANDROID APP ON Google play

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