



İzopur Trans P: Ceramic Surface Primer for İzopur Trans

Description

One component, transparent and ready to use polyurethane based primer which enhances adherence for polyurethane waterproofing materials to be applied on glossy surfaces.

Fields of Application

- In preparation of glossy surfaces like glass and glazed ceramic tiles before İzopur Trans application.

Properties

- Easy to apply.
- Degreases and provides excellent adhesion onto non-absorbent surfaces, like glass, ceramic.
- Dries fast.

Technical Properties

(at 23°C and 50% RH)

General Data

Appearance	Transparent liquid
Shelf Life	9 months when stored in the original packaging.

Application Data

Application and Surface Temperature Range	(+5°C) – (+35°C)
Consumption	30 - 60 g/m ²

İzopur Trans: Polyurethane Based, Transparent Waterproofing Material

Description

One component, transparent, ready-to-use, UV-resistant, polyurethane-based waterproofing material that has high elasticity and mechanical strength.

Fields of Application

- Waterproofing of balconies and terraces, coated with all kinds of materials.
- Waterproofing of ceramic, glass, glass brick, natural Stone, wood and bamboo surfaces without any change in appearance, thanks to its transparency.

Properties

- Easy to apply (by brush, roller or airless spray).
- UV-stable, non-yellowing.
- Forms a transparent, seamless and elastic membrane.
- Resistant to water and frost.
- Maintains its mechanical properties over a temperature span of -30°C to +90°C.
- Excellent adhesion.
- Can be walked on.
- Good resistance against acidic and alkali solutions, detergents, sea water and oils.

Technical Properties

(at 23°C and 50% RH)

General Data

Appearance	Yellow color transparent liquid
Shelf Life	9 months when stored in the original packaging

Application Data

Application and Surface Temperature Range	(+5°C) – (+35°C)
Tack-Free Time	8 hours
Set to Light Traffic	24-48 hours
Final Curing Time	7 days
Consumption	0.4 – 0.6 kg/m ² in two or three coats, depending on porosity of the surface and application method.

Performance Data

Elongation at Break (DIN EN ISO 527)	250%
Tensile Strength (DIN EN ISO 527)	≥5 N/mm ²
Hardness (Shore D Scale) (ASTM D2240)	60
Water Vapor Permeability (EN ISO 12572)	6 g/m ² (24 hours)
Resistance to Water Pressure (DIN EN 1928)	No leak (1m. water column, 24 hour)
Adhesion to Absorbent Ceramic Tile (ASTM D 903 (ELCOMETRI))	>2.0 N/mm ² (concrete surface failure)
Chemical Properties	Good resistance against acidic and alkali solutions (10%), detergents, seawater and oils.

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Application

İzopur Trans P Application

- The substrate must be sound, dry, clean and free of any contamination like dirt, oils, dust etc. that may prevent good adhesion. The surface must be cleaned from all loose materials like existing coating prior to application.
- Do not apply İzopur Trans on surfaces previously treated with active silane, siloxane, silicone or other water repellents, that may cause poor adhesion. If there is no information about the prior application, an adherence test should be conducted.
- Cementitious surfaces to be applied should be cured at least for 28 days.
- Do not wash the surface with water. RH of the surface should be lower than 5%.
- Glossy surfaces like glass, ceramic etc. Should be treated with İzopur Trans P.
- Application temperature should be between +10°C and +35°C and relative humidity should be between 50% and 70%.
- Apply İzopur Trans P by soaking a clean and dry cloth, and wipe the entire surface off. Change clothes often.
- Make sure that enough quantity of İzopur Trans P is applied on the entire surface without leaving any untreated spots.
- After approx. 1 - 2 hours, apply İzopur Trans P transparent polyurethane waterproofing material.

İzopur Trans Transparent Polyurethane Waterproofing Application

- Pour İzopur Trans coating onto the primed surface and lay it out by roller until all surface is covered. Application on large surfaces can be done by airless spray.
- Do not apply İzopur Trans over 1 mm thickness (dry film) per coat.
- After 12 hours (but not later than 18 hours) apply a second coat of İzopur Trans
- For better waterproofing and wear resistance results, application of a third coat is recommended.

Crack Fixing and Waterproofing

- The substrate must be sound, dry, clean and free of any contamination like dirt, oils, dust etc. that may prevent good adhesion. The surface must be cleaned from all loose materials like existing coating prior to application.
- Prime absorbent surfaces like concrete, cement screed or wood with İzopur P. After 2 - 3 hours and while the primer is still a bit tacky apply İzopur Trans.
- Primed cracks should be filled with Kalepolymas.

Storage

- Protect from water, frost and severe weather conditions.
- Should be stored on wooden pallets in a clean, dry and moisture-free environment at between +10°C and +25°C.
- Burst or opened packages should be closed immediately and consumed first.
- Maximum 3 packages should be stacked on top of each other.
- Shelf life is maximum 9 months when stored in the original sealed packaging.

Packaging

- İzopur Trans P: 1 kg tin pails.
- İzopur Trans: 10 kg tin pails.

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