

POLYURETHANE WATER TOP-COATINGS

FINIWATER® TOP A+B

Transparent waterborne polyurethane coating

Used as a finish on resin coatings, Finiwater Top allows you to create surfaces with a glossy appearance and easy to clean. It easily adheres to numerous substrates and its characteristics (resistance to mechanical stress, abrasion, solvents, ethyl alcohol, atmospheric agents) make it suitable for installation in industrial or outdoor environments.



Description

Two-component product based on cross-linked polyurethane dispersion with a hydrophilic aliphatic polyisocyanate. The film obtained after the coalescence and crosslinking phase has the following characteristics:

- high anchoring properties on various supports
- excellent mechanical properties
- good abrasion resistance
- good resistance to solvents
- excellent resistance to atmospheric agents
- good resistance against ethyl alcohol
- glossy appearance

Use

Finishing of resin coatings. Protective transparent for decorative coatings and paints. Painting of concrete floors.

Support

The substrate must have a minimum compressive strength of 25 N/mm² and a tensile strength of 1,5 N/mm².

Preparation of the support

Each support must be cleaned, degreased and free of old paint during detachment.

Abrasive superficially to promote adhesion. It is recommended to use abrasive papers with a grain greater than 150, clear if possible. After abrasion completely remove dust from the surface.

As top-coating of resin coatings, it is necessary to proceed with the application by verifying the coating time of the previously applied product.

Surfaces tending to chalk will be treated in advance with a recovery of PAVIWATER T68 or PAVIWATER TES, both diluted 1:3 with water.

Application

At the time of application, combine the two components in a single container and mix carefully using a mechanical stirrer. Apply by roller the mixture with a consumption of 0.100-0.125 kg/m² (for a film of about 40 microns). For the application it is recommended to use suitable medium-pile rollers.

To obtain a rough and non-slip surface, 3% of SFERETTE DI VETRO FINI must be added when preparing the 2 components (see table). Avoid films that are too thick, as this would delay the development of the final characteristics of the film, especially deep drying and sensitivity to water.

If necessary it is possible to dilute the mixture with water up to a maximum of 10%.



Attention: due to the drying speed of this type of product, particular attention should be paid to the time of application, in order to avoid imperfections such as rollers, overlaps and gloss differences. In general, proceed to distribute the paint on the support homogeneously in the right quantity. When joining the newly painted area, take care to resume the painting a few centimeters away in order to discharge the excess product and then connect with the previous area by blending and dosing the quantity applied carefully. Do not wait too long for overlaps, always paint "fresh on fresh".

Product for professional use. The purchaser undertakes to strictly follow the above warnings when applying the purchased product and the instructions in the safety data sheet.

Be careful not to leave unpainted areas, in doubt we recommend the application of two coats of product.
In the realization of large surfaces, the coordinated movement of several applicators is required.

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Technical specifications

PRODUCT DATA	
Colour	Transparent
Consumption: rolle	0,100-0,125 kg/m ²
Specific gravity (at 25°C): mixture (A+B)	1,00 +/- 0,05 g/ml
Viscosity (at 25 °C): mixture (A+B) mixture (A+B), diluted to 10%	420 +/- 50 mPa•s (spindle 2, rpm 30) 210 +/- 50 mPa•s (spindle 1, rpm 12)
Dry residue (A+B)	38-40% by weight
VOC ready to use (Legislative Decree 161/06)	< 70 g/l Cat.A/j. High performance two-component paint (BA).
Flash point	None
Solvent for cleaning tools	Water
Storage	12 months, store in a dry place at a temperature between 5°C and 35°C; pay particular attention to component B, sensitive to air humidity

APPLICATION DATA AND TIMING	
Mixture ratio	by weight: A=100, B=22
Recommended thinner	Water (only after mixing the 2 components)
Pot-life (50% R.H.)	at 10°C 120-180 min at 25°C 90-120 min at 30°C 60-90 min
Dry to the touch (50% R.H.)	at 10°C 12-14 hours at 25°C 4-6 hours at 30°C 2-3 hours
Coverage (50% R.H.)	at 25°C 4 to 36 hours
Trafficable (50% R.H.)	3-5 days
Hardening in depth (50% R.H.)	at 25°C 7 days
Environmental conditions of use	Temperatures between +10 °C and +30 °C and R.H. < 70%
Surface temperature	Between +10 °C and +25 °C

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