

POLYURETHANE SOLVENT TOP-COATINGS

FINISOL® TRASPARENTE OPACO A+B

transparent opaque aliphatic solvent polyurethane top-coating

Solvent-based two-component polyurethane varnish. Suitable for finishing resinous coatings or concrete floors.

Good mechanical and chemical resistances.

Matt appearance.



Description

Transparent formulation based on aliphatic polyurethane resins. It resists ultraviolet rays, acid rain and the action of various acids (for further details contact Sivit Technical Assistance).

FINISOL TRASPARENTE OPACO It forms a film that maintains good flexibility and good resistance to abrasion and scratching. It contains UV filters that preserve the surface from photooxidative degradation.

Matte appearance.

Use

Painting of concrete floors.

Finish for resin coatings.

Dustproof impregnation of cement and brick products. Particularly suitable for battery storage areas.

Protection of metal surfaces not subject to corrosion.

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 coatings 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.

Concrete and brick surfaces must be solid, seasoned, leveled, absorbent, not polluted by oils, dust or other substances.

Mechanically prepare the surface by sanding or grinding.

Application

Combine the two components (A+B) and mix using a mixer drill for 1 minute.

To obtain a rough and non-slip surface, it is necessary to add, at the time of preparation of the 2 components, 3-5% of SFERETTE DI VETRO FINI or 10-20% of QUARZO B0/B1 (see table).

Avoid preparing partial mixtures of the product in order not to incur accidental errors, which could lead to a failure or complete hardening.

N.B.: the application of the product by brush originates a film with a higher final gloss than the roller application.

Attention: by virtue of the nature of these types of product, particular attention should be paid to the time of drafting, in order to avoid imperfections such as rollers, overlaps, gloss differences, etc...

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".

In the realization of large surfaces, the coordinated movement of several applicators is required.

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.

Warning: the product contains solvents, it is therefore necessary that the applicators wear the appropriate respiratory protection devices indicated on the Safety Data Sheet.

It is also recommended to compartmentalize the work areas appropriately, especially in the hours immediately following application and in the 2-3 days following.

During the evaporation phase, the nature of the solvents used can create annoying odors for non-experts present in nearby environments.

It is recommended to ventilate the premises well for at least 7 days after painting.

Note: if component A needs to be transferred from its original packaging, mix carefully in order to homogenize any sedimented opaque agents and thus obtain the nominal gloss value

Technical specifications

PRODUCT DATA	
Colour	Transparent
Consumption (roller)	0,100-0,150 kg/m ²
Specific gravity (at 25 °C)	mixture (A+B): 1,02 +/- 0,05 g/ml
Viscosity (at 25 °C)	mixture (A+B): 500 +/- 50 mPa·s (spindle 2, rpm 30)
Dry residue (A+B)	59-61% by weight
VOC ready to use (Legislative Decree 161/06)	< 500 g/l Cat. A/j. High performance two-component paint (BS).
Solvent for cleaning tools	UNI Solvent
Storage	12 months, store in a dry place at a temperature between 5 °C and 30 °C; pay particular attention to component B, sensitive to air humidity

APPLICATION DATA AND TIMING	
Mixture ratio	by weight: A=100, B=25 by volume: A=100, B=23
Pot-life (50% R.H.)	at 10 °C 70 min at 25 °C 40 min at 35 °C 25 min
Dry to the touch (50% R.H.)	at 10 °C 20-24 hours at 25 °C 12-14 hours at 35 °C 8-10 hours
Walkable (50% R.H.)	at 25 °C 12-24 hours
Coverage (50% R.H.)	at 25 °C 12 to 36 hours
Trafficable (50% R.H.)	3-5 days
Hardening in depth (50% R.H.)	at 25 °C 7 giorni
Environmental conditions of use	Temperatures between +10 °C and +35 °C and R.H. < 60% FINISOL TRASPARENTE OPACO should be applied at a substrate temperature of at least 3 °C higher than the condensation temperature to avoid adhesion problems.
Coating maintenance	For cleaning operations wait at least 7 days from the application of the coating

TECHNICAL PERFORMANCE DATA	
Appearance	Smooth and homogeneous
Gloss 60°	5-15 (**)
Gloss 85° (DIN 67539)	10-20 (**)
Reaction to fire (UNI EN 13501-1:2007)	B1
Slipperiness (D.M. 236/89)	μ>0.40 (with 3% SFERETTE DI VETRO FINI)

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TECHNICAL PERFORMANCE DATA

Slipperiness (DIN 51130)	R11 (with 5% SFERETTE DI VETRO GROSSE) R12 (with 20% QUARZO B2)
CE marking (reg. n. 305/2011)	Complies with EN 1504-2. Coating (C) Principle (PR).
Pull Off Adhesion (EN 1542)	> 1,5 MPa
Abrasion resistance standard EN 5470-1	<50 mg (Taber CS-10; 1000 rpm; 1000 gr)
BCA wear resistance (EN 13892-4)	AR 0,5
Impact resistance (EN 6272-1)	16 Nm
Water vapour transmission -permeability (UNI EN ISO 7783-2)	Sd>50 m
	(**) The degree of gloss of FINISOL TRASPARENTE OPACO It is influenced by the following factors: - porosity of the support - film thickness

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