



POOL FINITURA TRASPARENTE



Solvent based, transparent, UV-resistant aliphatic-polyurethane top coat specific for the protection of epoxy and polyurethane coating systems applied in fountains or swimming pools

CE marking:

- EN13813_SR

Certifications:

- DIN 51097 - Class: B (version ADS)
- DIN 51130 - Class: R 9 (version ADS)
- DIN 51097 - Class: B (version EXTRAGRIP)
- DIN 51130 - Class: R 10 (version EXTRAGRIP)



TECHNICAL SPECIFICATIONS



FIELD OF APPLICATION

APPLICATIONS



Description

POOL FINITURA TRASPARENTE is a two-component solvent-based polyurethane product consisting of:

- component A: mixture of functionalized prepolymers, additives and solvents;
- component B: aliphatic polyisocyanic prepolymer.

The two mixed components create a transparent and easy to apply product which, after curing, forms a flexible, tough, glossy film, resistant to chemical attack, atmospheric agents and abrasion.

The product is also available in the ADS (anti-slip) and EXTRAGRIP versions, with inert fillers that eliminate slipperiness in the presence of water (see the Technical Data section in the "Anti-slip properties" section).

Colour

POOL FINITURA TRASPARENTE is TRANSPARENT.

The product is also available in COLORED version (see specific Technical Data Sheet).

Field of application

POOL FINITURA TRASPARENTE is used as:

- Protective top coat of epoxy, polyurethane, polyester, acrylic, methacrylic systems (both water-based and solvent-based) in order to avoid premature opacification.
- Protective of decorative systems that must be made waterproof and chemically unassailable by chlorinated water (at the concentrations of chlorine typical of swimming pools).
- Finishing coat of POOL FINITURA COLORATO in NORPHEN POOL + POOL FINITURA COLORATO cycles applied in the pool.

POOL FINITURA TRASPARENTE

Advantages

- POOL FINITURA TRASPARENTE adheres to any type of resin even without sanding.
- POOL FINITURA TRASPARENTE is also waterproof to thicknesses less than 70 microns.
- POOL FINITURA TRASPARENTE can be used in tubs, swimming pools or fountains, in continuous contact with water treated with disinfectants (chlorine, hydrogen peroxide, etc.).

Specific preparation of the laying support

- In general POOL FINITURA TRASPARENTE can be applied directly on the surface to be finished.

NOTE: for resin finishing coats of any kind, make sure that they have reached a sufficient cure to resist the solvent contained in POOL FINITURA TRASPARENTE.

- Sand, if necessary, eliminating any imperfections from the surface (traces of dirt, loose parts, foreign elements, etc.).
- Before applying POOL FINITURA TRASPARENTE remove any traces of water from the surface and make sure that there are no conditions for the formation of dew.

Preparing the product

- Open the container of component A and mix the contents with a professional mixer at low speed.
- Pour component B into the container of component A and close the can of component B as quickly as possible.
- Mix the product using a professional paint mixer at low speed.
- The product is now be ready to be applied.

Application of the product

- POOL FINITURA TRASPARENTE is designed for application by roller or brush, without dilution, or slightly diluted with SOLVENTE PER NORDPUR for spray application.
- Apply in a single coat.
- In the case of applications in two or more coats, do not wait more than 60 minutes between two successive coats ("wet-on-wet" technique).

NOTE: if the maximum time of 60 min prescribed for the application of subsequent coats is exceeded, it is necessary to allow the applied product to harden completely, then proceed with sanding with an abrasive pad with a grain size between 180 and 400, taking care to make it opaque the whole surface in a perfectly homogeneous way. After sanding, dust off thoroughly.

Consumption

TYPE OF APPLICATION	MINIMUM CONSUMPTION	MAXIMUM CONSUMPTION	UoM	DILUTION
Per coat with roller	0,12	0,15	kg/m ²	-
Per coat, sprayed	0,12	0,14	kg/m ²	massimo +7% di SOLVENTE PER NORDPUR su A+B

Cleaning of tools

- Fresh product: cleaning with ACETONE, SOLVENT FOR TIPEWALL, SOLVENT FOR NORDPUR, polyurethane thinner or nitro thinner.
- Hardened product: remove mechanically, use special paint strippers (GEL STRIPPER or FLUID STRIPPER) or a thermal gun.

Useful application tips

- Wait at least 7 days before subjecting the product to contact with water.
- Close the containers of A and B soon after use.
- Keep closed as much as possible the container with the A+B mix.
- The product is flammable.
- When applied in poorly aerated areas, it is advisable to adequately ventilate the environment and protect the

POOL FINITURA TRASPARENTE

airways using a dust mask equipped with A organic vapour filters (brown strip) or combined ABEK filters (brown-yellow-greygreen strip), as per the EN 141 standard.

- Do not apply by spraying in places where adequate air exchange has not been provided.
- Protect from rain in the first hours after application.
- Read the Safety Data Sheet carefully before using the product.

Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C (Component A), EN ISO 2811-1	kg/L	1,026 ± 0,005
Density at 23°C (Component B), EN ISO 2811-1	kg/L	1,150 ± 0,008
Density at 23°C (A+B mix), EN ISO 2811-1	kg/L	1,071 ± 0,006
Brookfield apparent dynamic viscosity, comp. A (23°C / 50% UR spindle ASTM#4, 50 giri/min), EN ISO 2555	mPa*s	780 ± 40
Brookfield apparent dynamic viscosity, comp. B (23°C / 50% UR spindle ASTM#4, 50 giri/min), EN ISO 2555	mPa*s	700 ± 100
Colour (Component A)	-	Opaque colorless liquid with solvent odor
Colour (Component B)	-	Transparent liquid with characteristic odor

► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Mixing ratio by weight (A:B)	-	1,6 : 1,0
Mixing ratio by weight (A:B:C) (ADS version)	-	1,6 : 1,0 : 0,043
Mixing ratio by weight (A:B:C) (EXTRAGRIP version)	-	1,6 : 1,0 : 0,087
Pot life (verify adhesion on fibre cement of the applied product), EN ISO 9514	min	90 ± 10
Surface drying time (+23°C, 50% R.H.), EN ISO 9117-3	min	60 ± 10
Full curing time (at +23°C, 50% R.H.)	days	7
Minimum application temperature	°C	+7
Resistance to UV and condensation cycles, cycle A (8 hours UVA-340 + 4 hours condensation 50 ° C), 168 hours overall, measurement of yellowing on a background in NORDPUR SW WHITE, ΔE, ASTM D 4329	-	0,3 ± 0,1
Resistance to UV and condensate cycles, cycle A (8 hours UVA-340 + 4 hours condensate 50°C), for a total of 168 hours, measurement of opacification, ΔGloss, ASTM D4329	-	-9 ± 3

► ANTI-SLIP PROPERTY	UoM	value
Slip resistance class, EXTRAGRIP version, DIN 51130-2009	-	R10
Overall mean angle of acceptance (ages), EXTRAGRIP version, DIN 51130-2009	-	(14,2 ± 0,5)° **
Slip resistance class, ADS version, DIN 51130-2009	-	R9
Overall mean angle of acceptance (ages), ADS version, DIN 51130-2009	-	(9,5 ± 0,7)° **
Slip classification group, ADS and EXTRAGRIP versions, DIN 51097	-	B
Average angle of inclination (α), ADS and EXTRAGRIP versions, DIN 51097	-	19 ± 1

► CHEMICAL RESISTANCE EN ISO 2812-1 (method 2): 1 = disintegration of the product, 5 = no alteration. NOTA: for the complete scale, refer to Appendix A	UoM	value
hydrochloric acid 30% in water	-	4
sulphuric acid 10% in water	-	3
phosphoric acid 20% in water	-	4
acetic acid 30% in water	-	2
ammonia 15% in water	-	5
soda (sodium hydroxide) 30% in water	-	4
hydrogen peroxide 3.5% (12 volumes)	-	5
mixture of acetic acid (1%) and hydrogen peroxide (0.5%) in water	-	5
sodium hypochlorite 0.1% in water (1000 ppm)	-	5
denatured ethyl alcohol	-	4
cyclohexane	-	5

POOL FINITURA TRASPARENTE

Storage of the product

- 12 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +5°C and +30°C.
- Protect the product against humidity.
- Protect the product against frost.

Packages

VARIANT	PACKAGING	ADR	UNITS PER PALLET	COMPONENTS
Advantages (1)	kit (A+B) - 2,6 kg	P*	-	A = 1,6 kg (metal bucket) B = 1,0 kg – can Advantages Advantages
Advantages (1)	kit (A+B) - 7,8 kg	YES	-	A = 4,8 kg – metal bucket B = 3,0 kg – metal can Advantages Advantages
EXTRAGRIP comp. C	jug - 0,09 kg	NO	-	Advantages Advantages Advantages Advantages
EXTRAGRIP comp. C	jug - 0,26 kg	NO	-	Advantages Advantages Advantages Advantages
ADS component C	jug - 0,04 kg	NO	-	Advantages Advantages Advantages Advantages
ADS component C	jug - 0,13 kg	NO	-	Advantages Advantages Advantages Advantages

legend

P* = DANGEROUS goods packed in limited quantities (packed as per Chap. 3.4 ADR)

SI' = DANGEROUS goods

NO = NON DANGEROUS goods

Note:

(1): Advantages

(2): Comp. C da aggiungere a KIT POOL FINITURA TRASPARENTE (AB) KG 2,6 per ottenere la versione EXTRAGRIP

(3): Comp. C da aggiungere a POOL FINITURA TRASPARENTE (AB) KG 7,8 per ottenere la versione EXTRAGRIP.

(4): Comp. C da aggiungere a KIT POOL FINITURA TRASPARENTE (AB) KG 2,6 per ottenere la versione ADS.

(5): Comp. C da aggiungere a POOL FINITURA TRASPARENTE (AB) KG 7,8 per ottenere la versione ADS.

LEGAL NOTES

Advice on how to use our products corresponds to the current state of our knowledge and does not involve the assumption of any guarantee and / or responsibility for the final result of the work. They do not therefore exempt the customer from the responsibility of verifying the suitability of the products for the use and the prefixed purposes through preventive tests. The website www.nordresine.com contains the latest revision of this technical sheet.

EDITION

Release date:

Revision: