

LONGLIFE SHIELD

Solvent - borne varnish

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TECHNICAL DATA SHEET

DESCRIPTION:

Solvent-based protective varnish, one-component, based on selected acrylic resins, with exceptional clarity and resistant to the alkalinity of the substrate. Suitable for protecting, reviving and reinforcing concrete and mineral substrates in general (concrete, exposed brick, washed gravel, stone, stamped floors, etc.). It resists the diffusion of carbon dioxide and therefore guarantees excellent protection against carbonation of reinforced concrete.

The film is resistant to abrasion, water, atmospheric agents and UV rays and therefore **absolutely nonyellowing**.

Particularly suitable for outdoor use.

Fields of use: protective on concrete and printed floors; dustproof on industrial floors.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

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SPECIFICATIONS:

PARAMETERS	SPECIFICATIONS
Pack sizes	4 litres - 20 litres
Specific gravity	0.930 ± 0.030 kg/dm ³
Finish	glossy
Colour	transparent
Water vapour diffusion resistance coefficient	(DIN 52615): <15·10 ³

Diffusion resistance coefficient of the CO2	(ASTM D 1434): >2 ·106
Practical coverage	8÷10 m ² / litre per coat
Practical consumption	80÷125 ml/m ² per coat
Thinner	First coat: up to 50% with Thinner F100 Second coat: up to 30% with Thinner F100

APPLICATION

- Roller, brush, air spray, airless

SURFACE PREPARATION

- Surface must be sound, clean, dry and free from dirt, grease and salts. Remove any loose, flaking and poorly adhering material, using mechanical means.
- It can be applied on cements with residual humidity, since the micro porous structure of the film allows excess humidity to escape. It is applied directly on concrete, stones, stucco, bricks, concrete
- Coating of surfaces with salt efflorescence or capillary humidity does not guarantee a lasting adhesion and does not exclude defects formation.
- Already painted surfaces: remove any loose, flaking coating and material and make the surface rough by sandpaper.

COATS

Two at least

ENVIRONMENTAL CONDITIONS

- Environment temperature: 50-90°F
- Relative humidity <80%
- Substrate humidity <5%

Do not apply under direct sun rays or over hot surfaces, and in windy conditions. Protect from rain for at least 3 days.

DRYING TIMES AT 68°F – 50% R.H.	
to touch	30 min
to recoat	6-8 h
walkable	12 h

We suggest a preliminary test on a test area before proceeding with the painting of the total area.
Avoid water stagnation for 7 days after application.

CNT Lab Srl.
Technological solutions based
on SynthAg colloidal silver

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CLEANING UP

Solvent immediately after use

SHELF LIFE

18 months, with T max of 90°F, sealed drum, indoors and protected against freeze.

This product data sheet is based on data believed to be reliable and are intended for use by personnel having skill and know-how, at their own risk and in accordance with current industry practice and normal operating conditions. Variation in operating conditions and procedures may cause unsatisfactory results. Since we have no control over the conditions of service, we expressly disclaim any responsibility for the results obtained from the use of this product or for any consequential or incidental effects of any kind.