



Two-pack glossy acrylic-polyurethane topcoat

DESCRIPTION

Two-pack glossy, transparent or pigmented, acrylic-polyurethane aliphatic isocyanate hardener. Does not yellow. Offers high resistance to chemicals, high surface resistance, excellent resistance to foot traffic and good scratch resistance. Suitable for coating industrial flooring requiring good resistance to chemicals and oils. It is thus particularly suited to use in chemical, pharmaceutical, mechanical, electrical industries and in garages and covered car parks. For indoor and outdoor use. For professional use.

Adherence (cross-cut test): ISO value=0

MAIN PROPERTIES

- High scratch resistance
- Excellent adhesion
- Resistant to UV radiation



TECHNICAL DATA

Classification UNI 8681	Two-pack, chemical-reactive hardening, gloss, polyurethane topcoat paint in solution, with aliphatic isocyanate (B4.A.0-2.C.O.CB)
Film aspect EN 13300	Glossy (> 60 gloss 60°)
Thickness EN 13300	Class A, fine (< 100 µm) approx. 60 micron in 2 coats
Maximum applicable thickness	n.a.
Adhesion on concrete	> 1.5 MPa
Specific weight	A+B (METROFLOOR GLOSS pigmented): 1200 ± 50 g/l A+B (METROFLOOR GLOSS transparent): 1050 ± 50 g/l
Type of binder	polyurethane with aliphatic isocyanate (UNI 8681: CB)
Solid content	(A+B): 68 ± 2%
Pot Life	About 3 hours
Catalysis ratio (weight)	A: B = 3 : 1
Drying time	Dust dry: 1 h Fully dry: 12 hrs
VOC	Cat S/j: limit 500 g/l (2010) This product contains a maximum of 500 g/l of VOCs

CHARACTERISTICS

Colour range	Transparent; Iridescent GOLD "Selezione Smalti" (IVAS) colour chart if universal colourants are not used
Coverage	With the application of 2 coats: 4-4.5 mq/l (43-48 sq ft/l)
Coverage per pack	(15+5 l): 90 mq, approx. Coverage varies according to substrate absorption.
Dilution	Max 15% - Do not use nitro thinners
Diluted with	Thinner for Polyurethanes (IVAS).
Overpaintable	After 24 hours, and not more than 36 hours, with any other film-forming product. After 36 hours, careful sanding is required.

APPLICATION

Suitable Substrates:

Epoxy and concrete flooring Swimming pools

Preparation of the Substrate:

Flooring: The substrate must be dry, clean and free of any loose, friable parts. In case of concrete flooring, the substrate must be carefully sanded, shot-peened, ground and then treated with Epoxy Primer XB (IVAS) or, if the substrate is uneven, we recommend skimming with Metroresin Fondo with the addition of 70% Quarzo 06 MET using a notched trowel (3 mm triangular teeth)

Swimming pool coatings:

all substrates must be carefully prepared by washing with a pressure washer or hand brushing, making certain that there is no efflorescence, loose parts, release agents, waxes, oils or anything else that could compromise adhesion. Apply one coat of Primer-Pool (IVAS) and then one coat of Inter-Pool (IVAS).

Application Procedure:

Add the catalyst to the acryl-polyurethane enamel as indicated in the Mixing ratio and dilute. The two packs are supplied in pre-weighed containers ready for mixing: never mix using measuring cups or, even worse, by eye! The two packs must be carefully and thoroughly mixed. If mixed incorrectly, the product will harden abnormally, compromising its performance characteristics. If such problems arise, the entire coating must be completely removed and the application repeated. Using a roller or spraying equipment, apply two or more coats of METROFLOOR GLOSS waiting 12 hours between coats (max. 24 hours). When using METROFLOOR GOLD, mix the product well so as to evenly blend the iridescent particles and continue to keep the product well mixed even during use. Apply two coats with a sponge roller and one coat of transparent product, waiting approximately 12 hours between coats. If the environment is under water, wait at least 7 days before filling. When used as anti-slip, once catalysed, at the moment it is used, add 20% glass beads (Ø 0.25 mm), mix thoroughly and then apply using a maximum 10% Diluente per Poliuretanic (IVAS). We recommend mixing occasionally during application.

Type of Equipment:

Magritte Primer Roller, spraying equipment (recommended pressure: 7 – 8 atm Ø nozzle 1.5 – 2 mm), airless

Ambient Conditions:

Min +10°C max +35°C max RH 80%

STORAGE

Packaging:

Pack A 15 l + 3 l - 0.750 l / Pack B 5 l – 1 l – 0.250 l

Duration and Preservation:

6 months when stored in undamaged packages at between 5 and 30°C; cannot endure frost and direct sunlight.

Dispose of in accordance with local regulations.

For information on possible hazards, refer to the safety data sheet.

TECHNOLOGIES/CERTIFICATIONS

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