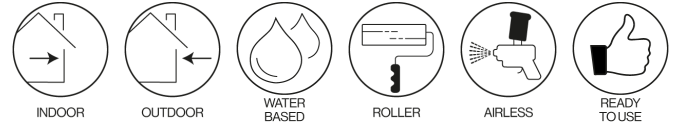


resin protection gloss k

METROPOLIS®
MADE IN ITALY

technical sheet - ed. 05/2024



Two pack polyurethane gloss topcoat

DESCRIPTION

Two-pack, water based, non-yellowing, glossy transparent, polyurethane finish, crosslinked with an aliphatic isocyanate. High resistance to abrasion and good resistance to chemicals. For indoor and outdoor use (vertical walls). For professional users only

Adhesion (cross-cut test): class O

Water permeability coefficient (UNI EN ISO 7783:2012) Δw_{24} : 0.01 Kg/m²h^{1/2}.

Determination of water vapour permeability (UNI EN ISO 7783:2012) Sd : 0.0637 m.

"Taber" resistance (UNI 10559:1996) with "CS17" abrading wheel after 1000 revolutions: 0.2 mg/1000 rev.

Chemical resistance (internal method):

Coffee *** 20min. * 1h, Wine **** 20min *** 1h, Fruit juice **** 20min. **** 1h, Food-grade oil **** 20 min **** 1 h, Coca Cola **** 20 min **** 1 h, Milk **** 20 min **** 1 h, Floor cleaner **** 20min *** 1h, Hydrogen peroxide **** 20min **** 1h, Hair dye *20min *1h, Bleach **** 20min **** 1h, Hydraulic oil **** 20min **** 1h, Mineral oil **** 20min **** 1h, Soda 30% **** 20min **** 1h, Hydrochloric acid 10% ** 20min ** 1h, Acetone ** 20min ** 1h, Turpentine **** 20min *** 1h, Naphtha solvent **** 20min *** 1h, Nitro Thinner * 20min * 1h

Key: **** excellent resistance ***good resistance, slightly ringed ** strongly ringed * insufficient resistance

MAIN PROPERTIES

- Transparent finish
- High chemical resistance



TECHNICAL DATA

Film aspect EN 13300	Glossy (> 60 gloss 60°)
Thickness EN 13300	Class A, fine (< 100 µm) approx. 70 micron in 2 coats
Adhesion on concrete (EN 1542)	> 1.5 MPa Metroresin Body, Metrostone Cem, Concrete =
Classification (UNI 8681 / UNI 8682)	Two-pack, chemical-reactive hardening, gloss, polyurethane topcoat paint, in solution, with aliphatic isocyanate (B4.A.1.C.0.CB)
Specific weight	(A+B): 1050 ± 50 g/l (UNI 8910)
Type of binder	polyurethane with aliphatic isocyanate (UNI 8681:CB)
Solid content	(A+B): 44 ± 2%
Catalysis ratio (weight)	A: B = 100 : 20 by weight
Drying time	Dust dry: 3 hrs Touch dry: 6 hrs Fully dry: 12 hrs
Pot life	About 1 hour
VOC	Cat A/j: limit 140 g/l (2010); this product contains a maximum of 40,00 g/l of VOCs

CHARACTERISTICS

Coverage	With the application of 2 coats: 5-7 mq/Kg (54-75 sq ft/Kg)
Coverage per pack	(A + B 4.8 Kg): 31 mq, approx. Coverage varies according to substrate absorption
Overpaintable	After 24 hours, and not more than 36 hours, with any other film-forming product. After 36 hours, careful sanding is required.
Colour range	Transparent
Dilution	Ready to use

APPLICATION

Notes:

Outdoors as a transparent protective agent for concrete for vertical elevations

Suitable Substrates:

Protective coat for interior floors and walls made with Metrostone Cem. Precast panels, concrete.

Ambient Conditions:

Min +10°C max +35°C max RH 80%

Preparation of the Substrate:

The substrate must be dry, clean and free of any loose, friable parts. In case of concrete flooring, the substrate must be carefully cleaned and sanded and, if necessary, treated with an adhesion promoting primer.

Type of Equipment:

Type: short-haired wool roller (Magritte Roller), airless spraying equipment

Application Procedure:

Add pack B to pack A, as indicated in the Mixing Ratio and mix thoroughly. The two packs are supplied in pre-weighed containers ready for mixing: never mix using measuring cups or, even worse, by eye! If mixed incorrectly, the product may cure abnormally, compromising its performance characteristics. If such problems arise, the entire coating must be completely removed and the application repeated. Apply two or more coats of RESIN PROTECTION GLOSS K waiting 12 hours between coats (max. 36 hours).

STORAGE

Disposal and safety indications:

Dispose of in accordance with local regulations.

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

Packaging:

Pack A: 4 - 1 kg

Pack B: 0.8 - 0.2 kg

Storage:

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