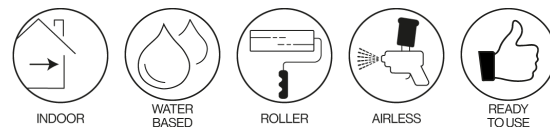


## RESIN PROTECTION MATT K

Technical Sheet - Ed. 10/2022



### Two pack, polyurethane matt 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 use. For professional use

Adhesion (cross-cut test): class O

Water permeability coefficient (UNI EN ISO 7783:2012)  $\Delta w_{24}: 0.01 \text{ Kg/m}^2\text{h}^{1/2}$

Determination of water vapour permeability (UNI EN ISO 7783:2012)  $S_d : 0.0637 \text{ m}$ .

"Taber" resistance (UNI 10559:1996) with "CS17" abrading wheel after 1000 revolutions: 12.3 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	Matt ( $\leq 10$ gloss $85^\circ$ )
Thickness EN 13300	Class A, fine ( $< 100 \mu\text{m}$ ) approx. 70 micron in 2 coats
Classification (UNI 8681 / UNI 8682)	Two-pack, chemical-reactive hardening, polyurethane matt topcoat paint, in solution, with aliphatic isocyanate (B4.A.1.C.O.CB)
Specific weight	(A+B): $1040 \pm 50 \text{ g/l}$ (UNI 8910)
Adhesion on concrete (EN 1542)	$> 1.5 \text{ MPa}$ Metroresin Body, Metrostone Cem, Concrete =
Type of binder	polyurethane with aliphatic isocyanate (UNI 8681:CB)
Solid content	(A+B): $42 \pm 2\%$
Catalysis ratio (weight)	A: B = 100 : 20 by weight
Maximum application thickness	n.a.
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 140 g/l of VOCs

#### CHARACTERISTICS

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

#### APPLICATION

##### Notes:

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##### Suitable Substrates:

Finishing coat for floors and walls made with Metroresin Body, precast concrete panels, concrete.

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**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:**

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 MATT K waiting 12 hours between coats (max. 36 hours).

## STORAGE

**Storage:**

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

**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