DECORATIVE FLOORS · SOLVENT-BASED PU / ACRYLIC

Acrylic PU Hybrid Matt Clear Coat 2K

Solvent-based acrylic polyurethane hybrid matt clear topcoat

APPEARANCE
Transparent
matt · approx. 8 GU at 60°

1.00 g/cm³	48.5 %	45–60 min	approx. 8 GU	0.130 l/m²
Mixed density (20 °C)	Solids (by weight)	Pot life (20 °C)	Gloss at 60°	Consumption per coat

Product description

ACRYLIC PU HYBRID MATT CLEAR COAT 2K is a two-component, aliphatic polyurethane / acrylic resin based matt transparent topcoat. It forms a UV-resistant, hygienic protective film on concrete, micro-concrete, wood and ceramic floors.

Application areas

- Topcoat for concrete, micro-concrete, wood and ceramic floors
- Decorative topcoat
- Topcoat on surfaces remaining in water

Advantages

- Matt protective coating system
- Durable on surfaces remaining in water
- Resistant to detergents, alkalis and mild acids
- Airless spray, roller or brush
- UV resistant – aliphatic PU / acrylic
- High tear resistance
- Excellent moisture resistance
- Creates hygienic surfaces

Position in the system

Matt clear topcoat — THIS PRODUCT
ACRYLIC PU HYBRID MATT CLEAR COAT 2K · 0.130 l/m²

Decorative layer
Microcement / micro-concrete

Substrate
Concrete · wood · ceramic

Decorative floor finishes

Matt clear protection for mineral, wood and ceramic floors

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Technical data (at +20 °C)

Component A	**Acrylic hybrid resin (aliphatic)**	Pull-off adhesion	**3.2 MPa**
Component B	**Aliphatic isocyanate**	Viscosity	**322 cP**
Colour	**Transparent**	Application temperature	**+10 °C to +30 °C**
Solids (by weight)	**48.5 %**	Touch dry (20 °C)	**6 h**
Pot life (20 °C)	**45–60 min**	Full dry (20 °C)	**24 h**
Mixed density (20 °C)	**1.00 g/cm³**	Full curing	**7 days**
Gloss (60°)	**approx. 8 GU**	Shelf life	**12 months**

Application procedure

01

Surface preparation

The surface must be sound, dry, even, clean and free of dust and contaminants. Sand coated surfaces older than 72 h; run an adhesion test on PU surfaces. Surface ≥ 3 °C above dew point.

02

Mixing

Add component A to component B and mix for 3 min, then mix again for 1–2 min.

03

Application

Roller / brush: do not thin. Airless: thin with 10 % **UP-005**. Apply at +15…+25 °C; work faster as the temperature rises.

04

Protection

Protect the fresh coating from water contact for 8–10 h.

Mixing ratio (by volume)



2.4 L
Component A – acrylic hybrid resin

0.6 L
Component B – aliphatic isocyanate

2.4 L component A + 0.6 L component B (4 : 1 by volume).

Application conditions

+10 °C – +30 °C

Ideal application temperature +15…+25 °C; surface at least 3 °C above dew point.

Pot life

45–60 min

Gel time at +20 °C – shorter at higher temperatures.

Consumption

0.130 l/m²

Per coat – varies with the surface and the application method.

Important: consumption varies with the surface and the application method. Protect the fresh coating from water for 8–10 hours.

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Storage

- Store at +15…+35 °C.
- Product stored below +5 °C must be warmed before use.
- Shelf life: 12 months.

Safety

- Not classified as hazardous.
- Use of personal protective equipment is recommended.

LEGAL NOTE

The explanations provided in this technical data sheet are based on test evaluations and results conducted according to relevant standards and are intended to guide applicators. As workmanship, weather conditions, construction, equipment used and other variables that may affect results are entirely beyond our control, UNICA does not provide any explicit or implicit warranty regarding this material. UNICA only guarantees that the material conforms to its product specifications, and its sole responsibility towards the buyer or user of this product is limited to the replacement value of the product in case of manufacturing defects. Under no circumstances shall UNICA be liable for any direct or incidental, special or consequential injury, loss or damage arising from the material or its application. UNICA shall not be held responsible in any way for any defects, alterations or changes in conditions in the substrate where its products are applied.