l'unicflex™ | FLOOR & WALL FINISHES · WATER-BASED PUD

PU Clearcoat WB 2K

Water-based antibacterial matt PUD clear topcoat

APPEARANCE
Transparent
colourless · matt

1.15 g/cm³	56 %	50–60 s	45 min	0.100–0.150 kg/m²
Specific gravity	Solids (by weight)	Viscosity (Ford cup 4)	Touch dry	Consumption

Product description

PU CLEARCOAT WB 2K is a PUD-based, two-component, water-dilutable, antibacterial, transparent matt topcoat. It gives a matt finish on epoxy- or polyurethane-coated floors and walls.

Product use

- Matt finish on epoxy-coated floors and walls
- Matt finish on polyurethane-coated floors and walls

Advantages

- Fast drying
- Low VOC
- High UV and abrasion resistance
- High adhesion performance
- Matt appearance
- Non-toxic, odourless
- Roller, brush or airless spray

Position in the system

Matt clear topcoat — PU CLEARCOAT WB 2K · 0.100–0.150 kg/m² — THIS PRODUCT

Floor / wall coating — Epoxy or polyurethane

Substrate — Floor and wall surfaces

Water-based PUD finish

Antibacterial matt clear topcoat · low VOC

Technical data (at +20 °C)

Colour	**Transparent, colourless**
Specific gravity (approx.)	**1.15 g/cm³**
Solids (by weight)	**56 %**
Viscosity (Ford cup 4)	**50–60 s**
Touch dry	**45 min**
Theoretical consumption	**0.120–0.150 kg/m² (1 coat) · 30 µm DFT**

Intercoat waiting time	**5 h**
Application temperature	**+10 °C – +35 °C**
Open to traffic	**12 °C / 24 h · 23 °C / 18 h · 30 °C / 12 h**
Full cure	**7 days**
Mixing ratio (by weight)	**16 kg A + 4 kg B**
Shelf life	**8 months**

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Application procedure

01

Surface preparation

Remove all dust, dirt and oil. Previously coated surfaces older than 48 h must be mechanically roughened and primed.

02

Mixing

Mix A and B separately, add B to A with a high-speed mixer and mix 3 min; transfer to a clean container, mix 1 min and rest a few minutes.

03

Application

Apply by roller or airless. Work wet-in-wet, roll along the short edge, or have a second person back-roll immediately to avoid roller marks.

04

Recoating

Wait 5 h between coats. Full cure after 7 days.

Mixing ratio (by weight)



- **16 kg** — Component A – PUD resin
- **4 kg** — Component B – hardener

Above +35 °C a very small amount of water may be added to the mixture.

Application conditions
+10 °C – +35 °C
Avoid application below +10 °C or above +35 °C.

Open to traffic
18 h at 23 °C
24 h at 12 °C · 12 h at 30 °C.
Full cure after 7 days.

Consumption
0.100–0.150 kg/m²
Varies with surface smoothness, weather and applicator technique.

Important: consumption may vary with the smoothness of the surface, weather conditions and the applicator's technique.

Packaging

- 10 kg or 20 kg kits

Storage

- Store with lids tightly closed in dry, protected conditions at 15–35 °C.
- Shelf life: 8 months from production.

Safety

- Not classified as hazardous; contains flame-retardant additives.
- Contains no mercury, asbestos, formaldehyde or lead.
- See the Material Safety Data Sheet.

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.

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