DECORATIVE FLOORS · WATER-BASED PUD

PUD WB Clearcoat Semi Matt 2K

Water-based antibacterial semi-matt PUD clear topcoat

APPEARANCE
Transparent
colourless · semi-matt

1.15 g/cm³	56 %	50–60 s	45 min	0.080–0.100 kg/m²
Specific gravity	Solids (by weight)	Viscosity (Ford cup 4)	Touch dry	Theoretical, per coat

Product description

PUD WB CLEARCOAT SEMI MATT 2K is a PUD-based, two-component, water-dilutable, antibacterial, transparent and semi-matt topcoat for floors and walls.

Product use

- Epoxy or polyurethane coated floors
- Concrete, micro-concrete and stamped concrete
- Wall surfaces
- PVC and parquet floors

Advantages

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

Position in the system

Clear topcoat — PUD WB CLEARCOAT SEMI MATT 2K · semi-matt — THIS PRODUCT
Colour basecoat (optional) — PUD WB BASECOAT MATT 2K
Primer (new surfaces) — MICRO PRIMER WB 2K
Substrate — Epoxy / PU floor · concrete · PVC · parquet

Water-based PUD floor system

Antibacterial clear topcoat · low VOC

unica | Boytem
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Technical data (at +20 °C)

Colour	**Transparent, colourless**	Intercoat waiting time	**5 h**
Specific gravity	**1.15 g/cm³**	Application temperature	**+10 °C to +35 °C**
Solids (by weight)	**56 %**	Open to traffic	**12 °C / 24 h · 23 °C / 18 h · 30 °C / 12 h**
Viscosity (Ford cup 4)	**50–60 s**	Full cure	**7 days**
Touch dry	**45 min**	Mixing ratio (by weight)	**4.5 kg A + 0.5 kg B**
Theoretical consumption	**0.080–0.100 kg/m² (1 coat) · 30 µm DFT**	Shelf life	**8 months**

Application procedure

01

Surface preparation

Free of dust, dirt and oil. Roughen and prime coated surfaces older than 48 h. On new surfaces apply **MICRO PRIMER WB 2K** first.

02

Mixing

Mix A and B separately, add B to A with a slow-speed mixer, add 20 % water and mix for 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 to avoid roller marks, roll along the short edge, or have a second person back-roll immediately.

04

Recoating

Wait 5 h between coats. Open to traffic after 12–24 h depending on temperature.

Mixing ratio (by weight)



4.5 kg
Component A – PUD resin

0.5 kg
Component B – hardener

Add 20 % water to the mixed A + B. Mix with a slow-speed mixer.

Application conditions
+10 °C – +35 °C
Above +35 °C, add a small amount of water to the mixture.

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.

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Packaging

- 5 kg sets

Storage

- Store in closed containers in dry conditions at +15…+35 °C.
- Shelf life: 8 months from manufacture.

Safety

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

Cleaning

- Maintenance: neutral pH detergent – 100 ml floor cleaner in 10 l water, soft mop, then rinse with clean water.

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.