L'UNICFLOOR · EPOXY TOPCOATS

Unepox Enamel WB 2K

Water-based, low-VOC glossy / matt epoxy enamel topcoat

COLOUR
RAL colours
gloss or matt · custom on request

1.34 g/cm³	45 %	2–4 h	3 h	4–5 m²/kg
Mass density (mixed)	Solids (by volume)	Touch dry	Gel time (20 °C)	at 80 µm DFT

Product description

UNEPOX ENAMEL WB 2K is a two-component, low-VOC, water-based, adduct-cured glossy / matt epoxy topcoat. It is a general-purpose topcoat in protective systems for steel and concrete structures exposed to atmospheric land and marine conditions and contamination.

Application areas

- Pipelines, tank exteriors and water purification plants
- Food industries and hospital walls
- Refineries and petrochemical plants
- Parking areas and garages

Advantages

- Good adhesion to concrete, GRC, steel, galvanised steel and aluminium
- Can be applied on damp surfaces
- Cures down to +10 °C
- Long pot life
- Good water, salt-water and corrosion resistance
- Resists splashes of mild chemicals
- UV resistant
- Hygienic, antibacterial, easy to clean

Position in the system

Water-based epoxy topcoat — THIS PRODUCT
UNEPOX ENAMEL WB 2K · 80 µm DFT

Primer
UNEPOX PRIMER WB (concrete) · UNEPOX ZP / ZC PRIMER (steel)

Substrate
Concrete walls & ceilings · steel · galvanised

L'unicfloor WB protective systems

Low-VOC epoxy topcoat for steel and concrete

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Technical data (at +20 °C)

Colour	**RAL colours**	Curing	**down to +10 °C**
Mass density (mixed, 20 °C)	**approx. 1.34 g/cm³**	Full cure	**7 days**
Solids (by volume)	**approx. 45 %**	Spreading rate	**4–5 m²/kg at 80 µm DFT (1 coat)**
Touch dry	**2–4 h**	Mixing ratio (by weight)	**80 : 20**
Overcoating interval	**min. 24 h – max. 48 h**	Shelf life	**12 months**
Gel time (20 °C)	**3 h**		

Application procedure

01

Surface preparation

Clean, sound surface: remove dirt, laitance, grease and curing compounds mechanically. Steel: Sa 2½ (immersion) or Sa 2½ / St 3 (atmospheric). Surface perfectly dry.

02

Priming

Concrete walls and ceilings: 1–2 coats of UNEPOX PRIMER WB. Steel: previous coat (UNEPOX ZC / ZP PRIMER) dry and clean.

03

Mixing

Stir each component, add B to A while mixing and homogenise 2–3 min with a slow-turning electric mixer; mix preferably above +10 °C.

04

Overcoating

Overcoat after min. 24 h, max. 48 h. Full cure after 7 days.

Mixing ratio (by weight)

80 parts | **20 parts**

- **80 parts** — Base – component A
- **20 parts** — Hardener – component B

Supplied as 20 kg A + B sets in sealed metal cans.

Application conditions
above +5 °C
Surface at least 3 °C above dew point; mixed material preferably above +10 °C.

Spreading rate
4–5 m²/kg
At 80 µm DFT in one coat – depends on surface permeability and porosity.

Gel time
3 h
At +20 °C.

Important: the surface must be perfectly dry before and during application. Work must be carried out by trained or experienced contractors.

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Points to consider

- Use gloves and face masks; maintain adequate ventilation.
- Use explosion-proof lights and electrical equipment and non-sparking shoes and tools.
- Forbid flames, smoking and welding in the work area.
- Avoid breathing vapour and skin / eye contact; on contact wash with water and seek medical attention.

Packaging

- 20 kg A + B sets in sealed metal cans

Storage

- Store in sealed containers indoors in dry premises at +10…+35 °C.
- Shelf life: 12 months from production in a cool, dry place.

Safety

- Component A contains epoxy resin, component B alkaline amines – may cause skin sensitisation.
- Ventilate, especially when heated.
- Wear protective clothing, goggles, gloves and mask and/or protective creams.
- Keep containers closed; wash hands and equipment after use.

Cleaning

- Clean up with tap water.

LEGAL NOTE

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