L'UNICFLOOR · EPOXY TOPCOATS

Unepox Enamel 2K

Solvent-based epoxy topcoat for steel and concrete

COLOUR
RAL colours
protective topcoat

1.3 g/cm³	47 %	2–4 h	8 h	100 µm
Mass density (mixed)	Solids (by volume)	Touch dry	Pot life (20 °C)	Recommended DFT

Product description

UNEPOX ENAMEL 2K is a two-component, polyaminoamide-adduct-cured epoxy topcoat. It is a general-purpose solvent-based topcoat in protective systems for steel and concrete structures exposed to atmospheric land or marine conditions.

Application areas

- Pipelines and tank exteriors
- Water purification plants
- Food industries
- Refineries and petrochemical plants

Advantages

- Good adhesion to steel, galvanised steel and aluminium
- Good adhesion to non-ferrous metals
- Cures down to +5 °C
- Long pot life
- Good water and corrosion resistance
- Resists splashes of mild chemicals
- Airless spray or brush
- Good hygienic surface

Position in the system

Epoxy topcoat — UNEPOX ENAMEL 2K · 100 µm DFT — THIS PRODUCT
Epoxy primer — UNEPOX ZC PRIMER · UNEPOX ZP PRIMER
Substrate — Steel · galvanised · aluminium · concrete

L'unicfloor protective systems

Epoxy topcoat for steel and concrete structures

BOYTEM BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
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Technical data (at +20 °C)

Colour	**RAL colours**	Spreading rate	**9 m²/kg at 40 µm DFT**
Mass density (mixed, 20 °C)	**approx. 1.3 g/cm³**	Recommended DFT	**100 µm**
Solids (by volume)	**approx. 47 %**	Mixing ratio (by weight)	**67 : 33**
Touch dry	**2–4 h**	Pot life (20 °C)	**8 h**
Overcoating interval	**min. 24 h – max. 48 h**	Thinner	**UP-003**
Full cure	**7 days**	Shelf life	**12 months**

Application procedure

01

Surface preparation

The previous coat (UNEPOX ZC PRIMER, UNEPOX ZP PRIMER etc.) must be dry and clean. Surface perfectly dry, above +10 °C and at least 3 °C above dew point.

02

Mixing

Mix base and hardener 67 : 33 by weight; mixed material above +10 °C. Add thinner only after mixing.

03

Application

Airless or air spray: 0–10 % UP-003 Thinner. Brush or roller: 0–5 %. Too much solvent causes sagging.

04

Overcoating

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

Mixing ratio (by weight)



67 parts
Base – epoxy

33 parts
Hardener – polyaminoamide adduct

Supplied as 4.67 kg base + 2.33 kg hardener, or 15.350 kg base + 7.650 kg hardener.

Application conditions
above +10 °C
Surface at least 3 °C above dew point; cures down to +5 °C.

Spreading rate
9 m²/kg
Theoretical, at 40 µm DFT.

Pot life
8 h
At +20 °C.

Important: add thinner only after mixing base and hardener – too much solvent causes sagging.

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Packaging

- 4.67 kg base + 2.33 kg hardener in cans
- 15.350 kg base + 7.650 kg hardener in tin cans

Storage

- Store in sealed containers indoors in dry premises at +14…+35 °C.
- Shelf life: 12 months from production in a cool, dry place.

Safety

- Component A contains epoxy resin, component B alkali amide – may cause skin sensitisation.
- Ventilate, especially when heated or sprayed.
- Wear protective clothing, goggles, mask and gloves; avoid eye and skin contact.
- Keep containers closed; wash hands and equipment after use.

Cleaning

- Cleaning solvent: UP-003 Thinner.

LEGAL NOTE

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