L'UNICFLOOR · EPOXY TOPCOATS

Unepox Coaltar HB 2K

High-build coal tar epoxy topcoat

COLOUR
Black
only colour available

1.40 g/cm³	69 %	3–4 h	4–8 h	100 µm
Mass density (23 °C)	Solids (by volume)	Touch dry	Pot life (23 °C)	DFT in one layer

Product description

UNEPOX COALTAR HB 2K is a coal-tar-based, polyaminoamide-adduct-cured, two-component high-build epoxy coating designed to prevent oxidative corrosion in dry and especially sea-water immersed conditions.

Application areas

- Steel profiles and plates of vessels in contact with sea water
- Seaports, bridges and harbours above sea level
- Dams, sewage facilities and manhole covers
- Crude oil and storage tanks
- Inner and outer surfaces of waste-water pipes
- Jetty piles

Advantages

- High build – 100 µm in one layer
- For dry and immersed conditions
- Good adhesion
- Resists physical and chemical corrosion
- Airless, brush or roller

Position in the system

Coal tar epoxy topcoat — THIS PRODUCT
UNEPOX COALTAR HB 2K · 100 µm DFT

Primer
UNEPOX ZP / ZRP / ZC PRIMER 2K

Substrate
Steel Sa 2½ (ISO 8501)

L'unicfloor anticorrosive systems

Heavy-duty protection for immersed steel

ISO 8501 · Sa 2½
Surface preparation

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Technical data (at +20 °C)

Colour	**Black**
Mass density (23 °C)	**approx. 1.40 g/cm³**
Solids	**approx. 69 % vol. · 73 % wt.**
Fast dry (100 µm)	**30–40 min**
Touch dry (100 µm)	**3–4 h**
Cure starts	**at 24 h**
Pot life (23 °C)	**approx. 4–8 h**

Overcoating interval	**min. 24 h – max. 48 h**
Full cure	**7 days**
Consumption (100 µm DFT)	**180 ± 10 g/m²**
Flash point	**> 21 °C**
Mixing ratio (by weight)	**4 : 1**
Shelf life	**12 months**

Chemical resistance

Alkaline liquids · Weak acids · Crude oil · Salt water · Fresh water

Application procedure

01

Surface preparation

Remove oil and grease with detergent or steam, salts with high-pressure fresh water. Blast rust to ISO 8501 / Sa 2½. Work by trained applicators.

02

Mixing

Mix each component, add B to A (80 : 20 by weight) and mix 3 min with a low-speed mixer (200–300 rpm). Mix only what can be used in 30–40 min.

03

Application

Apply by brush, roller or spray over a suitable primer – 100 µm DFT in one layer.

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
Component A

20 parts
Component B – hardener

Supplied as 16 kg A + 4 kg B.

Application conditions
+10 °C – +35 °C
Substrate +10…+45 °C, ≥ 3 °C above dew point; RH max. 90 %.

Consumption
180 ± 10 g/m²
For 100 µm DFT; wind increases consumption.

Pot life
4–8 h
At 23 °C.

Important: in direct sunlight the coating may chalk and fade in colour.

Points to consider

- Substrate must be free from hydrostatic pressure, moisture, paint and hardening agents.
- Min. substrate temperature 10 °C, optimum room temperature 20 °C for proper curing.
- Use a suitable primer: UNEPOX PRIMER 2K, PRIMER WB 2K, 128-05 SF PRIMER, ZC, ZRP or ZP PRIMER 2K.

Packaging

- 20 kg: 16 kg A + 4 kg B in metal tins

Storage

- Store in original closed packaging in cool storage at +10…+35 °C.
- Shelf life: 12 months from production.

Safety

- Component A contains epoxy resin, B amides – may cause skin sensitisation.
- Ensure ventilation, especially when heated or sprayed.
- Wear protective clothing, goggles, mask and gloves.
- Keep containers closed; wash hands and equipment after use.

Cleaning

- Clean all tools before the material gels with UP-002 Thinner.

LEGAL NOTE

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