L'UNICFLOOR · SOLVENT-FREE EPOXY

Unepox HB 80 2K

Low-viscosity solvent-free epoxy topcoat for a smooth finish

COLOUR
RAL colours
selected RAL shades

1.38 g/cm³	100 %	25 min	6–8 h	0.8–1.2 kg/m²
Mass density (20 °C)	Solids (by volume)	Pot life, 25 kg (20 °C)	Touch dry (20 °C)	Estimated consumption

Product description

UNEPOX HB 80 2K is a two-component, epoxy / polyamine-cured, solvent-free low-viscosity epoxy coating. Applied with a 1 mm V-notch steel trowel, it gives a smoother finish than roller-applied high-build coats.

Primary uses

- Chemical storage areas and bottling plants
- Forklift traffic areas and shopping centres
- Automotive industry and laboratories
- Topcoat in concrete systems

Advantages

- Low viscosity – smooth finish
- Good chemical and mechanical resistance
- Short curing, good low-temperature cure
- Good levelling, seamless
- Antibacterial and antistatic
- Easy to clean

Position in the system

Epoxy topcoat — THIS PRODUCT
UNEPOX HB 80 2K · 0.8–1.2 kg/m²

Primer
Epoxy concrete primer (e.g. UNEPOX PRIMER 2K)

Substrate
Concrete – min. 28 days old

L'unicfloor HB
Trowel-applied smooth epoxy finish

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

Component A	**Epoxy resin**
Component B	**Epoxy hardener**
Colour	**Selected RAL colours**
Mass density (20 °C)	**1.38 g/cm³**
Solids (by volume)	**100 %**
Surface & room temperature	**+10 °C to +30 °C**
Pot life, 25 kg (20 °C)	**25 min**

Touch dry (20 °C)	**6–8 h**
Overcoating interval (20 °C)	**24 h (max. 48 h)**
Full cure	**7 days**
Mixing ratio (by weight)	**80 A : 20 B**
Consumption	**approx. 0.8–1.2 kg/m²**
Shelf life	**12 months**

Chemical resistance

Diluted acids · Cleaning detergents · Herbal, animal & mineral oils · Diesel fuel & gasoline · Many solvents

Application procedure

01

Surface preparation

Clean surface free of grease, dust and contamination; new concrete min. 28 days old. Apply an epoxy concrete primer first for good adhesion.

02

Mixing

Stir component A, add component B (80 : 20 by weight) and mix for 3 min with a low-speed electric mixer (200–300 rpm). Do not thin.

03

Application

Apply with a 1 mm V-notch steel trowel for a smoother finish. Consult Unica technical service regarding thickness and consumption.

04

Recoating

Wait min. 24 h / max. 48 h between layers; after 48 h sand for adhesion. Protect from water for the first 24 h.

Mixing ratio (by weight)

80 parts | **20 parts**

- **80 parts** — Component A – epoxy resin
- **20 parts** — Component B – epoxy hardener

Supplied as 16 kg A + 4 kg B. Do not thin.

Application conditions
+10 °C – +30 °C
Surface and room temperature; RH max. 75 %; mixed material above +15 °C.

Consumption
0.8–1.2 kg/m²
Estimated – consult Unica technical service for thickness and consumption.

Pot life
25 min
For a 25 kg mix at +20 °C.

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Important: protect the new coating from water for the first 24 hours. Do not thin the product.

Points to consider

- New concrete must be at least 28 days old; the surface must be free of grease, dust and contamination.
- Low temperatures cause levelling and bubble problems; high temperatures shorten the drying time.
- Relative humidity max. 75 %; the mixed material must be above +15 °C.
- Wait min. 24 h / max. 48 h between layers – after 48 h sand the surface for good adhesion.

Packaging

- 16 kg component A + 4 kg component B in metal 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

- Not hazardous; contains no formaldehyde, asbestos, mercury, lead, chromate or derivatives.
- See the Material Safety Data Sheet (MSDS).

Cleaning

- Clean all tools and equipment with UP-002 Thinner before the end of the pot life.

LEGAL NOTE

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