L'UNICFLOOR · SURFACE-TOLERANT EPOXY

# Unepox HB ST 2K

Surface-tolerant high-build solvent-free epoxy topcoat

COLOUR
**RAL colours**
selected RAL shades

| 1.48 g/cm³ | 100 % | 10–25 min | 6–8 h | Steel & concrete |
|---|---|---|---|---|
| Mass density (20 °C) | Solids (by volume) | Pot life, 25 kg (20 °C) | Touch dry (20 °C) | Surface tolerant |

## Product description

**UNEPOX HB ST 2K** is a two-component, epoxy / polyamine-cured, solvent-free surface-tolerant high-build coating with good adhesion on untreated steel and concrete surfaces.

## Primary uses

- Steel and concrete surfaces with limited preparation
- Tank coating for crude oil and petroleum products
- Hospitals and laboratories
- Chemical storage, bottling plants, forklift areas
- Topcoat in concrete systems

## Advantages

- Good adhesion on untreated steel & concrete
- Good chemical and mechanical resistance
- Short curing, good low-temperature cure
- Good levelling, seamless
- Antibacterial and antistatic
- Easy to clean
- Good abrasion resistance

## Position in the system

**Epoxy topcoat** — THIS PRODUCT
UNEPOX HB ST 2K · 4 m²/kg

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

**Substrate**
Concrete – min. 28 days old

### L'unicfloor ST
Surface-tolerant coat for steel and concrete

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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) | **1.48 g/cm³** |
| Solids (by volume) | **100 %** |
| Surface & room temperature | **+10 °C to +30 °C** |
| Pot life, 25 kg (20 °C) | **10–25 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. 4 m²/kg** |
| 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 roller. 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**
**4 m²/kg**
Estimated – consult Unica technical service for thickness and consumption.

**Pot life**
**10–25 min**
For a 25 kg mix at +20 °C.

**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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