L'UNICFLOOR · WATER-BASED EPOXY SCREED

Unepox SL WB 3K

Three-component water-based epoxy self-levelling screed

COLOUR
RAL colours
custom on request

1.60 g/cm³	76 %	12 h	7 days	3.2 kg/m²
Mass density	Solids (by volume)	Touch dry	Full cure	for 2 mm DFT

Product description

UNEPOX SL WB 3K is a three-component, water-based epoxy self-levelling screed. Epoxy and aggregates produce a fluid mixture spread with a V-notched squeegee or trowel, for new construction and renovation over most sound floors – cleaned with water.

Application areas

- Food processing, dairies, bottling, beverage
- Pharmaceutical plants, laboratories, clean rooms
- Warehouses, packaging, outdoor car parks
- Machine shops, mechanical rooms
- Waste-water treatment, pulp and paper

Advantages

- Water-based – cleaned with tap water
- Dense, non-porous, chemical and dirt resistant
- Seamless, low maintenance
- High wear for light to medium traffic
- Can be sealed for abrasion, gloss and non-skid

Position in the system

Topcoat (optional)
Sealer coat – abrasion, gloss, non-skid; aliphatic PU in sunlight

Self-levelling screed — THIS PRODUCT
UNEPOX SL WB 3K · 2–3 mm

Primer
Suitable Unica epoxy primer

Substrate
Concrete ≥ 21 days · sound, dry

L'unicfloor SL WB
Water-based epoxy screed, 2–3 mm

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Technical data (at +20 °C)

Mass density (23 °C)	**approx. 1.60 g/cm³**	Light traffic	**16–24 h after application**
Solids (by volume)	**approx. 76 %**	Heavy traffic	**36–48 h after application**
Touch dry	**12 h**	Mixing ratio A : B : C	**60 : 18 : 22**
Overcoating interval	**min. 24 h – max. 48 h**	Spreading rate	**3.2 kg/m² for 2 mm**
Full cure	**7 days**	Shelf life	**12 months**

Application procedure

01

Surface preparation

Substrate above 10 °C, free of hydrostatic pressure, moisture transmission, paint and curing agents. Optimum room 20 °C, slab min. 10 °C.

02

Priming

Install every floor with a primer to maximise adhesion and prevent outgassing and air bubbles.

03

Mixing

Stir each component, mix 60 parts A with 18 parts B for 3 min with a slow-speed drill, then add quartz C. Use within 30–40 min.

04

Application

Pour in strips, spread 6–7 m² per 25 kg in one direction for 2–3 mm. Do not back-roll or use a spiked roller. Cure min. 8–10 h.

Mixing ratio (by weight)



- **60 parts** — Part A – resin
- **18 parts** — Part B – hardener
- **22 parts** — Part C – quartz filler

Package: 15 kg A (resin) + 4.5 kg B (hardener) + 5.5 kg C (filler).

Application conditions
≥ +10 °C
Substrate above 10 °C; optimum room temperature 20 °C.

Consumption
6–7 m² / 25 kg
For approx. 2–3 mm thickness.

Traffic
16–24 h / 36–48 h
Light / heavy traffic after application.

Important: chemical resistance depends on the exposure – consult Unica technical service for specific information.

Points to consider

- Mix only what can be used in 30–40 min with a slow-speed drill.
- End the day at doorways or joints, or use 5 cm masking tape; remove it after approx. 30 min.
- Work must be done by trained or experienced contractors.

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Packaging

- 15 kg A (resin) + 4.5 kg B (hardener) + 5.5 kg C (filler)

Storage

- Store in sealed original containers indoors, dry, 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 (sensitiser).
- May cause skin sensitisation or allergic reactions.
- Ventilate well, especially if heated or sprayed; avoid eye and skin contact.
- Wear protective clothing, goggles, gloves and mask; wash after use.

Cleaning

- Clean all tools and equipment with tap water before the material gels.

LEGAL NOTE

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