L'UNICFLOOR · ACID-RESISTANT EPOXY

Unepox HB AR 2K

Acid-resistant solvent-free novolac epoxy topcoat

COLOUR
RAL colours
selected RAL shades

1.42 g/cm³	98 %	10–25 min	6–8 h	up to 98 %
Mass density (20 °C)	Solids (by volume)	Pot life, 25 kg (20 °C)	Touch dry (20 °C)	Acid resistance

Product description

UNEPOX HB AR 2K is a two-component, novolac epoxy / polyamine-cured, solvent-free high-build coating. Its novolac resin gives resistance to diluted and concentrated acids up to 98 %.

Primary uses

- Chemical storage areas and acid-exposed floors
- Hospitals and laboratories
- Bottling plants and forklift traffic areas
- Automotive industry
- Topcoat in concrete systems; tank coating for crude oil and petroleum products

Advantages

- Resistant to acids up to 98 %
- Novolac epoxy – high chemical resistance
- Good mechanical resistance
- Short curing, good low-temperature cure
- Good levelling, seamless
- Antibacterial, antistatic, easy to clean

Position in the system

Epoxy topcoat — THIS PRODUCT
UNEPOX HB AR 2K · novolac · 4 m²/kg

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

Substrate
Concrete – min. 28 days old

L'unicfloor AR

Acid-resistant floors for chemical areas

unica | Boytem
BOYTEM BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
Factory: Gümüşova OSB 1. Sk. No:4 İç Kapı No:1 Gümüşova / Düzce – TÜRKİYE
T +90 216 304 03 05 · F +90 216 304 12 15
unicaboya.com · info@unicaboya.com

Technical data (at +20 °C)

Component A	**Epoxy resin**
Component B	**Epoxy hardener**
Colour	**Selected RAL colours**
Mass density (20 °C)	**1.42 g/cm³**
Solids (by volume)	**98 %**
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 & concentrated acids up to 98 %
- 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.

unica | Boytem
BOYTEM BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
Factory: Gümüşova OSB 1. Sk. No:4 İç Kapı No:1 Gümüşova / Düzce – TÜRKİYE
T +90 216 304 03 05 · F +90 216 304 12 15
unicaboya.com · info@unicaboya.com

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

The statements made on this technical data sheet are believed to be true and accurate and are intended to provide a guide for approved construction practices. UNICA does not make, nor does it authorise any agent or representative to make, any warranty, express or implied, concerning this material, as workmanship, weather, construction, equipment utilised and other variables affecting results are all beyond our control. UNICA warrants only that the material conforms to product specifications, and any liability to the buyer or user of this product is limited to the replacement value of the product only. In no event shall UNICA be liable for any injury, loss or damage, either direct or incidental, special or consequential, however arising, in connection with material or work performed. UNICA shall not, in any manner, be liable for any defects, variations or change in condition in the substructure over which its products are installed.