WATERPROOFING · BITUMEN-POLYURETHANE

UNIPU 1300 2K

Two-component, super-elastic bitumen-polyurethane waterproofing

COLOUR
Black
bitumen-PU

0.98 g/cm³	> 2000 %	30 min	2 h	1.0–1.5 kg/m²
Density	Elongation at break	Pot life	Curing time	Min. consumption

Product description

UNIPU 1300 2K is a two-component, bitumen-based, super-elastic and fast-curing polyurethane system for waterproofing horizontal and vertical surfaces.

Application areas

- Over concrete, mosaic, metal, galvanised steel and asphalt
- Curtain walls, bridge decks, foundations and retaining walls
- Below-ground structures
- Over existing bitumen or EPDM coverings
- Over polyurethane insulation boards
- Balconies, terraces and green roofs
- External waterproofing of water storage tanks

Advantages

- Fast curing
- Excellent adhesion to recommended substrates
- Stays elastic down to -30 … -40 °C
- High heat resistance
- High tensile, tear and abrasion strength
- High resistance to chemical corrosion

Position in the system

Bitumen-PU membrane — THIS PRODUCT
UNIPU 1300 2K · min. 2 coats

Primer
UNIPU PRIMER 540 · 1 coat

Substrate
Concrete · mosaic · metal · galvanised · asphalt

Foundations & below ground

Super-elastic bitumen-PU waterproofing

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)

Colour	**Black**	Pot life	**30 min**
Viscosity (23 °C)	**2500–3500 mPa·s**	Recoat interval	**6–24 h**
Density	**0.98 g/cm³**	Curing time	**2 h**
Hardness	**Shore A 35**	Consumption	**min. 1.0–1.5 kg/m²**
Tensile strength	**> 2.2 N/mm²**	Substrate moisture	**max. 4 %**
Elongation at break	**> 2000 %**	Shelf life	**12 months**

Application procedure

01

Surface preparation

Surfaces must be dry, clean and oil-free with no wet areas – otherwise the product foams and blisters. Moisture max. 4 %; never apply on fresh concrete before it is fully dry.

02

Priming

Prime the surface with one coat of **UNIPU PRIMER 540** concrete primer.

03

Mixing

Mix components A and B with a low-speed mixer until homogeneous.

04

Application

Apply by brush, roller or spatula within 30–45 min, in at least 2 coats.

Kit composition (by weight)



- **20 kg** Component A
- **20 kg** Component B

Supplied as 20 kg A + 20 kg B; drums on request.

Working time
30–45 min
Apply the mixed material within this time.

Consumption
1.0–1.5 kg/m²
Minimum, in at least 2 coats.

Substrate moisture
max. 4 %
Wet areas cause foaming and blistering.

Important: apply only on completely dry substrates – moisture or wet spots cause foaming and blistering of the membrane.

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

Packaging

- 20 kg component A + 20 kg component B
- Drums on request

Storage

- Store in original closed containers in dry conditions at +5…+25 °C.
- Do not expose packs to direct sunlight.
- Shelf life: 12 months under these conditions.

Safety

- Avoid eye and skin contact; on contact seek medical help immediately.
- If swallowed, contact a doctor or poison centre – do not induce vomiting.
- Wear protective clothing, gloves and eye / face protection; wash hands after use.
- Dispose of residues and packaging according to regulations.

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.