PRIMERS · POLYURETHANE

UNIPU Primer 540

One-component, moisture-curing, solvent-based polyurethane primer

0.99 ± 0.02 g/cm³	120 ± 20 mPa·s	52 ± 1 %	4–8 h	200–300 g/m²
Density (25 °C)	Viscosity (25 °C)	Solids content	Drying time	Consumption, 2 coats

Product description

UNIPU PRIMER 540 is a one-component, moisture-curing, solvent-containing polyurethane-based surface primer. It is used as a primer under polyurethane and epoxy coating systems and can also be used as a protective topcoat.

Application areas

- Primer under polyurethane and epoxy coating systems
- Topcoat protecting concrete, screed, cast mosaic, wood and artificial stone against chemical corrosion, abrasion and dust
- Concrete primer in acrylic floor applications
- Primer for **UNIPU 1000 W** and **UNIPU 1300 2K** waterproofing

Advantages

- Penetrates the substrate
- Moisture-curing – one component
- Primer and protective topcoat in one
- Dust-proofing of mineral surfaces

Position in the system

Coating system
PU / epoxy floor or PU waterproofing

Primer — THIS PRODUCT
UNIPU PRIMER 540 · penetrating primer

Substrate
Concrete · screed · mosaic · wood · artificial stone

Unica PU systems

Primer for PU / epoxy coatings and PU waterproofing

unica | Boytem
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Technical data (at +20 °C)

Density (25 °C)	**0.99 ± 0.02 g/cm³**	Mechanical strength	**after 7 days**
Viscosity (25 °C)	**120 ± 20 mPa·s**	Consumption (2 coats)	**200–300 g/m²**
Solids content	**52 ± 1 %**	Application temperature	**+8 °C to +40 °C**
Drying time	**4–8 h**	Relative humidity	**40–90 %**
Interval between coats	**3–4 h**	Shelf life	**6 months**
Full drying	**24 h**		

Application procedure

01

Surface preparation

The surface must be clean and oil-free with a moisture content below 30 %. Clean wood of resin before application.

02

As primer

Do not build a thick film – the primer only needs to penetrate the substrate.

03

As topcoat

Build a thin, glossy film coat by coat; reduce thinning with each coat and sand before the next.

04

Drying

3–4 h between coats; full drying 24 h, mechanical strength after 7 days – longer at low temperature and humidity.

Consumption
200–300 g/m²
For 2 coats.

Application conditions
+8 °C – +40 °C
Relative humidity 40–90 %.

Interval between coats
3–4 h
Drying times vary with ambient humidity and temperature.

Important: when used as a primer, avoid a thick surface film – the product only needs to penetrate the substrate.

Packaging

- 20 kg buckets
- 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

- Wear protective clothing, goggles, mask and gloves; avoid skin contact.
- On eye, mouth, nose or skin contact rinse with plenty of water for at least 15 min; seek medical help if needed.

LEGAL NOTE

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