

## PU5100 Topcoat

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### Product description

The PU5100 Topcoat from Dutch Resin Group is a 2-component, water-based topcoat or lacquer based on polyurethane. The PU5100 is colored and has a matte finish.

### Product details

Packaging size	Set size
1.2 kg	A-component 1.10 kg B-component 0.10 kg
3 kg	A-component 2.75 kg B-component 0.25 kg
6 kg	A-component 5.50 kg B-component 0.50 kg

<b>Appearance</b>	Mat
<b>Colour</b>	The Topseal is available in most RAL and NCS colors. Ask about the possibilities.
<b>Shelf life</b>	12 months after the production date when stored at normal temperature (15 °C). See more under <i>storage</i>

### Product features

- Matte finish
- Seamless and liquid-tight
- High wear resistance
- Elastic
- Simple application
- Increase wear resistance through anti-slip additive
- Solvent-free
- Easy to clean
- Good flow when applying

### Areas of application

As a top seal on all the products listed below, the *system structure* is taken into account.

- EP2900 Floor coating
- EP2980 HCR Floor Coating
- EP3900 Cast floor
- PU3045 Cast floor
- PU3060 Cast floor
- PU3250 UV Cast Floor
- PU3260 UV Stone Design Cast Floor
- PU5400 Topseal MAT
- PU5100 Topcoat
- PU5250 Topseal HCR

### Technical specifications

Similar mass (density)	1.17 kg/d m <sup>3</sup>
Mixing ratio	92.0 A Weight 8.0 B Weight
Consumption	90 to 125 g/m <sup>2</sup> per layer. Consumption depends on the substrate. With the addition of anti-slip, this is 110 to 125 g/ m <sup>2</sup> .
Processing time	Approximately 60 minutes. *
Dust dry	After 8 hours *
Walkable	After 4 PM *
Recoatable	After 16 hours, apply the next layer within 36 hours.
Fully loadable	7 days
Adhesion strength (n/mm <sup>2</sup> )	>1.5
Viscosity (mPa.S)	100 – 200

### Product processing conditions

Subsurface temperature	Minimum 10°C, maximum 30°C, Optimal 20°C
Ambient temperature	Minimum 10°C, maximum 30°C, Optimal 20°C
Subsurface moisture content	Moisture < 4%
Relative humidity	Maximum 70% RH
Dew point	at least 3°C above the dew point.
Pay attention	These conditions apply to both the processing and curing of the product. Ensure adequate ventilation in the room.
Tools	The product must always be applied with the designated microfiber rollers.

Solid content 44%

At normal temperature of 20°C.

### Work and environmental protection

Solvent-free. Non-flammable. Component A: Contains water-based polyurethane, no hazards. Component B: Contains isocyanate-based polyurethane hardener. Non-corrosive. Both components: Irritation or burns of the eyes, respiratory organs, and skin possible.

Sensitization is possible through skin contact. In case of contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with water and consult a doctor. Wear suitable protective gloves and safety glasses during handling. Environmentally hazardous in liquid state; therefore, do not allow to enter the sewer, open water, or soil. Hazard/safety instructions on the can label and the Safety Data Sheet must be observed, among others. After curing, odorless and ecologically and physiologically safe.

### Removal of material

Uncured product residues. Do not allow to enter sewers, open water, or soil. These uncured components are chemical waste. Cured components are classified as construction waste.

### Storage and shelf life

The product must be stored dry at temperatures of a minimum of 10 and a maximum of 25 degrees. Under these conditions, the shelf life of an unopened package is at least 12 months. Very rarely, crystallization may occur in the epoxy resin at low temperatures; this crystallization can be easily reversed by heating the package and its contents before use.

### Cleaning

The topcoat can be easily cleaned with a cleaning agent of your choice. This cleaning agent must not be corrosive or consist of undiluted cleaning agents applied directly to the floor. In all cases, test whether your cleaning agent damages the floor by applying it to a small section of the floor.

### Anti-slip alternative

The PU5100 can be mixed with anti-slip granules for PU topseal.

Grain size	Kind	Addition	Processing
Anti-slip granule PUWA topseal	Fine	Add 3% while mixing to total A+B	Puwa5000 with anti-slip, roll out with a 25cm microfiber roller and roll out with a 50cm roller.