

PU5400 Topseal Supermat

Dutch Resin Group BV
 Gladsaxe 19
 7327JZ
 Apeldoorn
 Netherlands
 Tel: +31 55 312 44 65
 Email: sales@dutchresin.nl
 Web: www.dutchresin.nl

Product description

The PU5400 Supermat from Dutch Resin Group is a 2-component, solvent-free top seal or lacquer based on polyurethane. This high-quality 2-component water-based polyurethane lacquer is transparent and offers a fast drying time, environmental friendliness, durability, and UV resistance. Suitable for various applications with minimal odor nuisance and easy cleaning, making it an attractive choice for both professionals and DIYers.

Product details

Packaging size	Set size
1 kg	A-component 0.90 kg B-component 0.10 kg
2.5 kg	A-component 2.25 kg B-component 0.25 kg
5 kg	A-component 4.50 kg B-component 0.50 kg
Appearance	Mat
Colour	Transparent
Shelf life	12 months after the production date when stored at normal temperature (15 °C). See more under <i>storage</i>

Product features

- Dead dull appearance
- Seamless and liquid-tight
- Simple application
- Increase wear resistance through anti-slip additive
- Solvent-free
- Very easy to clean
- Good flow when applying
- Highly resistant to dirt adhesion
- Suitable for damp environments (after curing)
- Aliphatic / UV resistant
- Long opening hours
- Resistant to most common stains
- Suitable for indoor and outdoor use

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	< 4%
Relative humidity	Maximum 70%
Dew point	Must be 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 be mixed with a spiral mixer. And always applied with the designated microfiber rollers. With a pile height of at least 11 mm.

Areas of application

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

- Epoxy coating floors
- Polyurethane Cast Floors
- Epoxy-based microcement
- Cement-based microcement
- Concrete Cire
- Wooden floors
- Stain protection for walls
- Cementitious floor leveling compounds (PH value <9)
- Mineral concrete-look floors (Ask for test results)

Dutch Resin Group products:

- EP2900 floor coating
- EP3900 Cast floor
- PU3045 Cast floor
- PU3060 Cast floor
- PU3250 UV Cast Floor
- PU3260 UV Stone Design Cast Floor
- Dr. Crete Microcement line Stone / Diamond

Technical data

Similar mass (density)	1.07 kg/d m ³
Mixing ratio	90.0 A Weight 10.0 B Weight
Consumption	90 to 100 g/m ² per layer. Consumption depends on the substrate. With the addition of anti-slip, this is 90 to 110 g/ m ² .
Processing time	Approximately 60 minutes. *
Dust dry	After 8 hours *
Walkable	After 10 o'clock *
Recoatable	After 8 hours, apply the next layer within 36 hours.
Fully loadable	After 7 days
Adhesion strength (n/mm ²)	>1.5
Viscosity (mPa.S)	100 – 200
Solid content	38%

Under observation of optimal processing conditions with a temp. of 20°C.

Work and environmental protection

Solvent-free. Non-flammable. Component A: Contains a water-based polyurethane emulsion. Hazards: GHS07 Signal Word Warning. Component B: Contains a hydrophilic aliphatic polyisocyanate. Hazards: GHS07 Signal Word Warning. Product complies with new isocyanate requirements with a low monomer content of <0.1%.

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. Ensure adequate ventilation.

Environmentally hazardous in liquid state; therefore, do not allow to enter the sewer, open water, or soil. Hazard/safety instructions on the packaging label and the safety data sheet must be observed, among others. Odorless after curing and ecologically and physiologically inert.

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 at least 10 and at most 25 degrees. Under these conditions, the shelf life of an unopened package is at least 12 months.

Cleaning

The Topseal can be easily cleaned with a cleaning agent of your choice. This cleaning agent must not be corrosive. Do not use undiluted cleaning agents. 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 PU5400 Supermat 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	Apply PU5400 with anti-slip using a 25cm microfiber roller and roll out with a 50cm roller.