

PU3045 Cast floor

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 PU3045 Cast Floor from Dutch Resin Group is a 2-component, solvent-free cast floor based on polyurethane resin. The cast floor is available in virtually all RAL and NCS colors.

Product details

Packaging size	Set size
	15 kg A-component 12.90 kg B-component 2.10 kg
25 kg	A-component 21.50 kg B-component 3.50 kg

Appearance Silky gloss

Colour The cast floor is available in most RAL and NCS colors. Ask about the possibilities.

Shelf life 12 months after the production date when stored at normal temperature (15 °C). See more under *storage*

Product features

- Glossy appearance
- Seamless and liquid-tight
- Simple application
- Good wear resistance
- Solvent-free
- Permanently elastic
- Good coverage

Areas of application

system structure is taken into account in all application areas .

- Wet rooms
- Canteens
- Hospitality
- Homes
- Schools
- Technical rooms
- Garages
- Showrooms
- Health centers
- Office

Technical specifications

Similar mass (density)	1.55 kg/d m ³
Mixing ratio	86.0 A Weight 14.0 B Weight
Consumption	2,500 to 3,000 g/m ² per layer. Consumption depends on the substrate.
Processing time	Approximately 30 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 ²)	>1.5
Solid content	100%
Viscosity (mPa.S)	1800 – 2100
Shore Hardness	>40

At normal temperature of 20°C.

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 75% RH
Dew point	at least 3°C above the dew point. Complete curing may not occur with large temperature fluctuations towards the freezing point.
Pay attention	These conditions apply to both the processing and curing of the product. Ensure adequate ventilation in the room.

Work and environmental protection

Solvent-free. Non-flammable. Component A: contains polyurethane resin. Component B: contains amine hardener; this substance cannot be atomized or inhaled, harmful to the respiratory system.
Hazard/safety instructions on the can label and the safety data sheet, among others, must be observed. Odorless after curing and ecologically and physiologically risk-free.

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.

To colour

Due to potential color variations, we recommend using products from the same batch on a single floor. This ensures there is no color difference between the different batches.

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

After applying your chosen topseal, the cast floor 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.

System structure

Pos.	Alt.	Product	Product/processing information	Consumption grams per m ²
1			Substrate preparation: Dust-free concrete blasting, sanding cement screeds.	N/A
2	Optional	Egaline	1/15 or 2/30 mm self-leveling compound to the substrate. Wait with the further build-up until the substrate assessment is satisfactory.	
3		EP1560 Putty EP4100 Skirting mortar white	Sealing cracks and/or small holes. Filling large holes and/or installing baseboards.	N/A N/A
4		EP1100 Primer of EP1200 Primer	Primer for absorbent surfaces ensures higher adhesion. Thickened primer with filling capacity for uneven floors.	100 to 250 150 to 400
5		EP 1600 Scrape layer EP1700 Screed	Epoxy scraping layer to smooth out minor irregularities. Epoxy screed for leveling the substrate.	200 to 1000 1000 to 2000
6		EP3045 Cast floor	Colored polyurethane cast floor to be applied with a trowel.	2,500 to 3,000
7		PUWA5100 Topseal colored or PU5250 Top seal in color	Colored top seal with a matte finish Colored top seal for high chemical resistance and scratch resistance	100 to 125 90 to 110
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