

EP3900 Cast floor

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Product description

The EP3900 Cast Floor from Dutch Resin Group is a 2-component, solvent-free cast floor based on epoxy resin. The cast floor is available in virtually all RAL and NCS colors.

Product details

Packaging size	Set size
	15 kg A-component 12.60 kg B-component 2.40 kg
25 kg	A-component 21.00 kg B-component 4.00 kg
Appearance	Glossy
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 <i>storage</i>

Product features

- Glossy appearance
- Seamless and liquid-tight
- Simple application
- Good wear resistance
- Solvent-free
- Easy to clean
- Good coverage
- High chemical resistance
- Good mechanical load capacity after curing

Areas of application

system structure is taken into account in all application areas .

- Warehouses
- Workshops
- Production areas
- Technical rooms
- Cleanrooms
- Nurseries
- Garages
- Parking garages
- Showrooms
- Office

Technical specifications

Similar mass (density)	1.60 kg/d m ³
Mixing ratio	84.0 A Weight 16.0 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 *
Recoatible	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	>D80

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 epoxy resin: Irritant. Component B: Contains amine hardener: 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 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	self-leveling compound to the substrate. Wait with further construction 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	Optional	EP1700 Screed	Epoxy screed for leveling the substrate.	1000 to 2000
6		EP3900 Cast floor	Colored epoxy cast floor to be applied with a trowel.	2,500 to 3,000
7	Optional	PU5700 or PU5100 or PU5250	Transparent top seal with a matte finish. Colored top seal with a matte finish Transparent top seal for high chemical resistance, silk matte	100 to 125 100 to 125 90 to 110
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