

EP1100 Primer

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Product description

The EP1100 primer from Dutch Resin Group is a 2-component, solvent-free primer based on epoxy resin.

Product details

Packaging size	Set size
1 kg	A-component 0.75 kg B-component 0.25 kg
2.25 kg	A-component 1.70 kg B-component 0.56 kg
4.5 kg	A-component 3.40 kg B-component 1.10 kg
10 kg	A-component 7.50 kg B-component 2.50 kg
20 kg	A-component 15.00 kg B-component 5.00 kg

Appearance Glossy

Colour Transparent

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
- Anticrater additive
- Good ventilation
- Increase wear resistance by adding sand
- Solvent-free
- Easy to clean
- Good coverage
- Good mechanical load capacity

Areas of application

In all application areas, the complete system structure of your final layer is taken into account.

The EP1100 is suitable as a primer for:

- Concrete floors
- Anhydrite floors
- Gypsum-bonded floors
- Cementitious floors
- As a primer for EP4000/EP4100 skirting mortar

Technical specifications

Similar mass (density)	1.09 kg/d m ³
Mixing ratio	75.0 A Weight 25.0 B Weight
Consumption	150 to 250 g/m ² per layer. Consumption depends on the subsoil. With the addition of sand, this is 300 to 500 g/ m ² .
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
Viscosity (mPa.S)	1000 – 1100
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 cannot 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.

Subsurface preparation

Remove cement and concrete residue by grinding and sanding the floor.

Roughen dense substrates such as concrete by dust-free blasting. Roughen anhydrite floors by blasting or sanding. Treat contaminated substrates by chemically cleaning them and then sanding them. Always make the floor dust-free by vacuuming with an industrial vacuum cleaner. Fill saw cuts and holes with a suitable epoxy filler such as the EP1560, or the EP1100 thickened with a setting agent. Repair holes and cracks with the EP4000/4100 skirting mortar.

Sand addition

The primer EP1100 can be mixed with broadcast sand to increase the viscosity.

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 primer can be easily cleaned with a cleaning agent of your choice. This cleaning agent must not be corrosive or undiluted cleaning agents that are 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.

Grain size	Kind	Addition	Processing
Dorsilit No. 9	Course	Add to total A+B while mixing up to 50%	Apply primer with sand using a trowel and then roll out with a nylon roller for epoxy.