



# Desmofloor Primer EPX100

**Technical Specifications**  
 Date of issue: 09/07/2024  
 Version Number: 2th

## Two-Component Epoxy Impregnation Primer, Solvent - free



Desmofloor Primer EPX100 is a transparent, solvent-free, two-component epoxy impregnation primer designed for the preparation of cementitious floors in professional and industrial areas, swimming pools, and concrete-based industrial facilities. It exhibits excellent adhesion to cement, making it ideal for substrates with high porosity, as it effectively seals pores. The product is resistant to water, acids, alkalis, petroleum products, and salt solutions. It offers high hardness and abrasion resistance. As it contains no solvents, it can be applied in poorly ventilated areas. Additionally, it can be used for the preparation of epoxy repair mortars before applying final coatings such as Desmofloor Finish.

### Surface Preparation

Surfaces must be dry, stable, and free from contaminants that may hinder adhesion, such as dust, loose materials, oils, etc. Rising moisture issues should be resolved beforehand. Proper surface preparation is required, including brushing, grinding, shot blasting, sandblasting, or water blasting. After surface treatment, thorough cleaning with a high-absorption vacuum cleaner is essential. For new surfaces, the concrete quality must be at least C20/C25 and at least 28 days old. The substrate's moisture content should be below 4% before application.

### Thinning

Do not dilute.

### Physical/Chemical Characteristics

Solids by weight	100 %
Viscosity	80-90 sec (DIN 53211-CF4, 25°C)
Density	1,07 kg/lit (ISO 2811.01, 20°C)
Mixing Ratio (A/B)	100 / 60 by weight
Pot life	45-50 min (23° C)
Packaging	Σετ 9 Kg, Σετ 18 Kg

### Mixing Instructions

Component B should be added to Component A and mixed in the predefined packaging ratios (9 kg or 18 kg sets). Mechanical mixing with a drill is required for at least 5 minutes to achieve a homogeneous mixture.

### Application & Consumption

#### Application as an Impregnation Primer

Desmofloor Primer EPX100 is applied using a roller or brush in one or two layers, depending on the surface's absorbency.

**Consumption:** 100 – 200 g/m<sup>2</sup>

#### Application as a Repair Epoxy Mortar

First, a layer of Desmofloor Primer EPX100 is applied. For the preparation of the repair mortar, quartz sand is added as follows:

A+B: 1 part

Quartz sand (0.1-0.4 mm): 4-5 parts

Initially, Components A and B are mixed, and then quartz sand is added under continuous stirring. The material is applied using a trowel and subsequently leveled with grinding machines



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## Drying & Recoating Time

Walkability: 18 - 20 hours (23° C)

Recoating or Overcoating: 20 - 24 hours (23° C)

## Storage

The factory-sealed packaging can be stored for at least 12 months in a cool, shaded environment at temperatures between 5°C and 40°C.

## Tool Cleaning

Clean tools immediately after use with Vernilac N2 solvent.

## Volatile Organic Compounds (VOCs)

The maximum allowable VOC content according to EU Directive 2004/42/EC (Category A/h, Type D) is 750 g/L (2010).

The ready-to-use product contains a maximum of 749 g/L VOCs.



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