

Desmofloor Finish EPX50

Two-Component Epoxy Paint



Desmofloor Finish EPX50 is a two-component epoxy paint, ideal for application on surfaces subjected to intense mechanical and chemical stress. Due to its special composition, it forms a hard, waterproof, glossy enamel-like surface with excellent resistance to abrasion, solvents, chlorides, acids, salt residues, alkalis, gasoline, diesel, detergents, water, etc., allowing for quick and easy cleaning of the coated surface. Its strong adhesion and elasticity make it an ideal coating for **concrete or metal substrates, laboratory and industrial floors**, and any application requiring a highly durable surface for heavy use. Desmofloor Finish EPX50 can be applied both as a **primer and as a final coat**, without the need for separate undercoats.

Surface Preparation

Ensure that the surface is completely dry, clean, and free from grease, dust, dirt, concrete salts, and poorly adhered materials. For new concrete surfaces, allow 4-6 weeks before applying Desmofloor Finish EPX50. For recoating old surfaces that have been covered with single-component paints, completely remove the previous coatings using a wire brush, solvents, or other suitable mechanical methods (e.g., hot water jet at 35-40°C and a minimum pressure of 300 bar - 4.41 psi). For recoating surfaces with two-component coatings, thoroughly sand the surface with a wire brush or sander. Moss, lichen, algae, bacteria, etc., must be completely cleaned using FUNGICIDE CLEANER.

Thinning

As a primer: 30-40% with **T2 thinner**.

As a final coat: Up to 10% with **T2 thinner**.

Physical/Technical Characteristics

| | |
|--------------|---|
| Viscosity | 100-120 sec (DIN 53211-CF4, 25°C) |
| Density | 1,42-1,44 kg/lit depending on shade (ISO 2811.01, 20°C) |
| Mixing Ratio | 4A:1B by weight (Adding excess Component B may cause streaking in the dry film, which may fade over time.) |
| Pot life | 6 - 8 hours at 20°C |

Application

As a **primer**, apply with a brush, roller, spray gun, or airless sprayer using **DESMOFLOOR PRIMER EPX30, DESMOFLOOR PRIMER EPX100, or DESMOFLOOR FINISH EPX50** diluted up to 40%.

Before application, **mix each component separately**, then combine and mix thoroughly to achieve a homogeneous blend.

After **8 hours** of priming, apply **one or two coats of Desmofloor EPX50** as the final coating, diluted up to 10%. Allow at least **10 hours** between coats.

Drying – Recoating Time

Drying times at approximately 25°C:

- Touch dry: 1 hour
- Recoating: After 8 hours but no later than 48 hours
- Full surface hardness: 7 days

For colder or humid conditions, allow longer drying times. Do not apply at temperatures below 10°C or when relative humidity exceeds 70%.

Coverage

Approximately 12 m² per kg, on a properly prepared surface, for a 40 µm dry film thickness.

Color

Available in white, Mediterranean blue, and light grey.

Gloss Level

Available in full gloss.



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Technical Specifications
Date of Issue: 14/06/2025
Version Number: 4th

Storage

Shelf life: 12 months when stored in sealed containers in a cool, dry place at temperatures between 5°C and 40°C. Remaining paint should be stored in airtight containers at temperatures between 5°C and 40°C.

Volatile Organic Compounds (VOC)

As a primer: The EU limit (Directive 2004/42/CE) for this product [Category A/h (Binding primers), Type SB] is 750 g/L (2010).

This product contains a maximum of 600 g/L VOC (ready for use).

As a final coat: The EU limit (Directive 2004/42/CE) for this product [Category A/j (Two-component coatings for special uses such as flooring), Type SB] is 500 g/L (2010).

This product contains a maximum of 499 g/L VOC (ready for use)

Safety Instructions

Read the label before use. For detailed instructions and precautions, consult the Product Safety Data Sheet.

Poison Control Center: +30 210 77 93 777.



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