



Desmofloor Finish EPX100

Technical Specifications

Date of issue: 09/07/2024

 Version Number: 1st

Self-Levelling Two-Component Epoxy System



Desmofloor Finish EPX100 is a **high-performance, solvent-free, colored two-component epoxy system** designed for creating self-levelling floors. It provides **high hardness, abrasion resistance, and long-term durability**. The product is highly resistant to **organic and inorganic acids, alkalis, petroleum products, waste, and weather conditions**, even under continuous or periodic exposure to fresh or seawater, chemical solutions, and their vapors. It operates effectively across a wide temperature range and is suitable for various applications.

It is an **ideal solution for anti-slip flooring** and can also be used as a **high-build coating**. When mixed with **quartz sand**, Desmofloor Finish EPX100 is applied as a **poured self-levelling coating** on cement-based floors requiring high mechanical and chemical resistance. **Without sand**, it is applied as a **coating on cementitious substrates, iron, or steel surfaces**

Suitable for use in:

Industrial plants, warehouses, laboratories, slaughterhouses, hospitals, wineries, canneries, garages, automotive workshops, factories, parking areas, food industry spaces

Surface Preparation

Application on Cementitious Substrates

Ensure surfaces are dry, stable, and free from dust, loose materials, grease, or other contaminants that may affect adhesion. The substrate must be free of rising moisture. Surface preparation may include brushing, sanding, shot blasting, sandblasting, or water blasting. After preparation, the surface must be thoroughly vacuumed to remove all residual dust. New concrete surfaces must be at least C20/C25 grade and 28 days old. Before applying Desmofloor Finish EPX100, prime the surface using Desmofloor Primer EPX30 or Desmofloor Primer EPX100.

Application on Iron or Steel Surfaces

The surface must be clean and free from rust or corrosion. Suitable surface preparation includes brushing, sanding, sandblasting, or water blasting. Before application, thoroughly vacuum the surface to remove dust. Prime with Durepox Metal Primer before applying Desmofloor Finish EPX100.

Thinning

Ready for use. Do not dilute.

Physical/Chemical Characteristics

Solids by weight	98 - 100%
Density (A+B)	1,44-1,48 kg/lit depending on the shade (ISO 2811.01, 20°C)
Mixing Ratio (A/B)	3.5/1 by weight
Pot life	40 minutes (25°C)
Colors	White, RAL 7035, RAL 7040 Όποιαδήποτε άλλη απόχρωση μπορεί να παραχθεί κατόπιν συνεννόησης.
Packaging	Set size 14 Kg, Set size 32 Kg

Mixing Instructions

Add **Component B** into **Component A** in the specified **pre-packaged ratios (14 Kg or 32 Kg Set)**. Mix using a **mechanical mixer (drill mixer)** for at least **5 minutes** until a **homogeneous mixture** is achieved.

Application & Consumption As a Self-Levelling Coating

- Mix with **quartz sand** of selected granulation in a **1:1 ratio (A+B/quartz sand)**.
- Apply using a **notched trowel** at **1-3 mm thickness**.
- Use a **spiked roller** to remove entrapped air.

Consumption:

- **Desmofloor Finish EPX100:** 0.75 – 1.5 kg/m²/mm
- **Quartz sand:** 0 – 1 kg/m²/mm

For **anti-slip surfaces**, **broadcast quartz sand** onto the freshly applied coating and remove excess once cured.

As a Coating (Roller or Spatula Application)

- Apply **one or two coats** using a **roller or spatula**.

Consumption: 250 – 500 g/m² per coat





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Drying & Recoating Time

Walkable: 24 - 48 hours (depending on conditions and coating thickness)

Recoating or overlying: Min: 24 hours / Max: 5 days.

Full cure: 7 – 10 days.

Storage

Shelf life: At least **12 months** in **factory-sealed packaging**, stored in a **cool, shaded environment** at temperatures between **5°C and 40°C**.

Tool Cleaning

Clean tools **immediately after use** with **Vernilac Solvent N2**.

Volatile Organic Compounds (VOC)

EU Directive 2004/42/EC limit for this product [Category A/i, Type D]: 500 g/L (2010).
Ready-to-use product contains a maximum of 499 g/L VOC.

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.



All the information provided in this technical data sheet is the result of the scientific knowledge of the company's personnel and the practical experience in product application. This document doesn't express or imply a guarantee as the company cannot control and bears no responsibility for the conditions and the manner of application, the adjustment and the modification of the product when used by the customer. The customer must confirm by his own means that the product is suitable for the intended use. The current version of technical data sheet withdraws all previous versions for this product.

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