

POLYCIM

FAST-SETTING RESIN MORTAR

7 good reasons for using POLYCIM

1. POLYCIM is a fast-setting **bi-component** polymer-based mortar.
2. Made of polyurethane-methacrylate resin, calibrated mineral fillers and additives specially selected to limit risks to users and the environment.
3. POLYCIM is a **THIXOTROPIC** product for thick repairs or for **reshaping** deteriorated surfaces.
4. Can be applied on **horizontal** and **vertical** surfaces.
5. POLYCIM combines excellent mechanical **performance** (rapid resistant, high adherence, high hardness and abrasion resistance).
6. POLYCIM is extremely durable in **frosty** conditions.
7. **Inert** in most chemical products and may be **painted** over with most paints.

Particularly suitable for use in



Supermarkets



Industry



Public building



Construction

Interior and exterior horizontal and vertical repairs.
 Traffic surface repairs: industrial floors and heavy traffic pavements .
 Surface reshaping.
 Seals and shims.
 Static joint filling.

Characteristics	Instructions for use
<p><u>Resin (Component A):</u> Appearance: liquid Colour: translucent amber Odour: characteristic and very low Density: 1.175 ± 0.025</p> <p><u>Thixotropic powder (Component B):</u> Colour: white Density (apparent): 1.5 ± 0.1</p> <p><u>Mixture (A+B):</u> Density : 2,1 Colour: light brown Lifespan after mixing: 6 to 7 minutes at 20°C, 25 minutes at 5°C. Hardening: 10 minutes at 20°C, 35 minutes at 5°C.</p> <p>For more information, see MSDS.</p>	<p>Types of surface: concrete, mortar, brick ; not suitable for asphalt. Condition of surface: surfaces must be stable and consolidated. Any crumbly or flaky material must be removed and any traces of dust, grease or soiling that might prevent adhesion. Supports mustn't be frozen. POLYCIM may be applied to dry or slightly wet surfaces but without puddles stagnant water. Surfaces with hydraulic bonding agents must be at least 7 days old.</p> <p><u>Preparation :</u> Pour the resin (A) into a clean and dry container, then gradually add the powder (B) preferably using a helix mortar mixer. For smaller quantities, use the following proportions: - Proportion by mass of resin (A) : powder (B) = 1:4 - Proportion by volume of resin (A) : powder (B) = 1:3</p> <p><u>Application :</u> When the mixture has a homogeneous consistency, it must be used quickly before the polymerisation. POLYCIM should be applied firmly to the surface with a trowel in order to ensure a good bond.</p>

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DECODRAINANT : Bi-component epoxy resin



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Cleaning equipment:

POLY CIM can be cleaned with clean and soapy water before polymerisation.

Given the rapid hardening of the mortar, it is advisable to always have a bucket of water to hand in order to rinse the equipment (helix mixer, trowel, ruler, ...) and possibly the edges of surface in case of splashing. Hardened mortar must be removed mechanically.

Conditions of use:

Temperature: from -10°C to +35°C

Reinstatement of traffic circulation (heavy traffic): 20 minutes at 20°C and 1 hour at 5°C.

Performance:

Compressive resistance: 70 MPa

Bending resistance: 26.5 MPa

Young Modulus: 6900 MPa

Adhesion: higher than C30/37 concrete cohesion

Dosage:

Around 2.1 kg/m²/mm thickness of fresh mortar

Safety:

Refer to the Material Safety data Sheet which contains all necessary information for safe handling.

Storage:

2 years in hermetically sealed original packaging, at a temperature between 5°C and 25°C. Store away from damp and direct sunlight.

Packaging:

POLY CIM is packaged in kits of 10 kg comprised of 2 kg of resin and 8 kg of powder.