PolyPrime EP

Two-Component, High-Performance, Solvent-Free Epoxy Primer

Description

PolyPrime EP is a high-performance, two-component, solvent-free epoxy primer with low viscosity and excellent penetrating capability. It is specifically formulated to provide superior adhesion between prepared substrates and subsequent epoxy or polyurethane floor coatings, including self-levelling systems and screeds.

The product demonstrates strong anti-corrosive properties and can be applied as a sealer or scratch coat, with or without the incorporation of quartz silica.

Technical Properties

Appearance	Low-viscosity liquid
Density	~ 1.05 Kg/l
Solid Content	100%
Pot Life (25 °C)	~ 35 minutes
Consumption	10-15 m^2/l

All values are nominal and subject to a tolerance of ± 5-10%

Key Features

- Excellent multi-substrate adhesion
- Deep-penetrating, low viscosity
- Liquid-impermeable
- High chemical resistant
- High abrasion resistant
- Dual-function primer and sealer

Area Of Use

- Consolidating treatment for a variety of substrates prior to the application of epoxy or polyurethane coating systems.
- Anti-dust treatment for industrial floor surfaces.
- Primer for prepared substrates before the application of epoxy or polyurethane coatings.
- Can be broadcast with quartz sand while wet to create a mechanical key for subsequent layers.

Packaging

PolyPrime EP is available in:
15 Liter Kit

Storage

Keep the product in dry and sheltered place at temperature between +5ºC to +35ºC. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Standard Compliance

- DIN EN ISO 2811-1
- BS 6319 Part 2 & 7

www.polycrete.me
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Application Procedure

Surface Preparation

All surfaces must be structurally sound, clean, dry, and free from dust, lose or flaking material, efflorescence, laitance, curing compounds, oil, grease, and other contaminants.

Mechanical surface preparation methods such as grinding or blasting are strongly recommended to obtain a clean and suitably profiled surface.

All repairs should be completed prior to application using appropriate epoxy mortar systems. For specific conditions, consultation with the Polycrete Technical Department is recommended.

New concrete substrates must be allowed to cure for a minimum of 21 days, with residual moisture content below 4%, to ensure that shrinkage movements have been completed before applying epoxy systems

Mixing Procedure

PolyPrime EP consists of two components that must be mixed immediately prior to use.

The full contents of Component B (hardener) should be added to Component A (base) and mixed thoroughly for 3–5 minutes using a low-speed electric mixing drill (200–300 rpm) until a uniform and homogeneous mixture is achieved.

Application Instruction

Apply PolyPrime EP using a roller, brush, or airless spray equipment at the specified coverage rate, depending on the substrate condition and intended application.

As a solvent-free epoxy primer, it ensures excellent wetting and penetration into the substrate, providing strong adhesion and effective surface sealing.

Ensure uniform application to avoid ponding and achieve a continuous, defect-free film

Application as Levelling Mortar

When PolyPrime EP is required to be used as a levelling mortar, it shall be mixed in the following proportion:

Product	Mixing Ratio
PolyPrime EP	1 pbw (part by weight)
PolyAggregate No.4	0.5 pbw (part by weight)

Mix thoroughly until a uniform, lump-free consistency is achieved. Apply immediately after mixing within the material's pot life.

Quality & Care

All products provided by PolyCrete are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001, ISO 14001 & ISO 45001.

Health & Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor. For further information or particular use, contact PolyCrete Technical Department.

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