

EPXC EPOXY PRIMER

Presentation

Fields of use:

Preparation of tiled and walled substrates designed to be covered with a waxed concrete decorative coating.

Composition:

Tri-component cement epoxydic primer (resin part, hardener part and powder part)

Properties:

Excellent bond, good chemical insulation, no shrinkage, use to recover a slight difference in level (ideal for tiling joints). Suitable for vertical applications.

Acts as a vapour barrier.

Packing:

18 kg kit (1.03 kg resin component A + 2.57 kg hardener component B + 14.40 kg powder component C)

Application

Substrate and substrate preparation:

Concrete, mortar, chipboard, cellular concrete, plasterboard, tiles, etc. Sound, dry, cohesive and clean substrate.

Any layers that could prevent the epoxy bonding to the substrate should be removed - mainly dust, dirt, oil, grease, wax, paint, cleaning and maintenance products, etc.

Slabs and screeds should be at least 28 days old (as per the standards and regulations in force, to be checked with the floor layer or builder) and surface carbonations should be removed physically or chemically.

If the substrate seems closed and very smooth, ideally a mechanical operation should be applied to roughen the substrate and open its porosity.

It is important to check the residual humidity of the substrate (<4%) and to test its hardness.

When the substrate is tiled, all the tiles must be properly sealed and the joints perfectly cohesive and clean.

Application conditions:

Check the humidity of the substrate before any application (4% maximum humidity).

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|---|--|
| Temperature | >10°C and <30°C |
| Substrate temperature | The substrate must have a temperature of +3°C compared with the dew point to prevent any condensation. |
| Substrate humidity | <4% |
| Relative humidity | 20% < Relative H <80% |
| Protect from wind, direct sunlight, rain and frost and the local fauna and flora during application and setting | |

Application equipment:

Plasterer's trowel

Application:

Mix component A well. Incorporate component B in a perfectly clean bucket and add component A. Stir mechanically for 40 seconds to obtain a homogeneous mix. Slowly add component C (powder) whilst mixing using a low-speed electric mechanical stirrer (300 to 400 rpm) to minimise the incorporation of air. Mix for four minutes to obtain a homogeneous coloured paste, with no lumps.

| Quantity prepared | Component A | Component B | Component C |
|--|-------------|-------------|-------------|
| 2 kg (1 m ² with 1 mm thickness) | 114 g | 286 g | 1,600 g |
| Full kit 18 kg (9 m ² with 1 mm thickness) | 1.03 kg | 2.57 kg | 14.40 kg |

Failure to comply with the mixing proportions between components A, B and C, the addition of water or the use of other products alters the quality of the system (reduced bond performances, mechanical and aesthetic performances, etc.).

Coverage:

About 2 kg/m² for 1 mm thickness

Drying time at 20°C and 60% relative humidity:

| | |
|--|------------------|
| Time open | 25 to 30 minutes |
| Can be covered by a decorative coating | 16 hours |
| Completely dry | 7 days |

At 10°C, the recovering time is more than 60 hours.

The humidity of the substrate must be less than 4% before any decorative coating is applied.

Tool cleaning:

Water immediately after use
Hardened, use mechanical stripping

Technical characteristics and performances

Product appearance:

Appearance in pot: component A: liquid; component B: liquid; component C: grey powder
Finished appearance: paste

Density A+B (at 20°C): resin, hardener and powder: about 1.9

Flash point: Not applicable

Practical duration of use:

Cement epoxy mortar: 25 to 30 minutes at 20°C

Other data: -

Storage and safety

1 year shelf life in its unopened original packaging, away from sunlight or freezing, at a temperature of between +5° and 35°C.

Check the product's best-before-date on the packaging.

For additional safety information, refer to the safety data sheet.

The VOC contents are also available in Part 15 of the safety data sheet.

For additional safety information, consult the safety data sheet.

All the information in this technical sheet is given for information only and shall not incur our responsibility. Always test products before use.

Refer to the safety data sheet for any additional information on use precautions and safety instructions.