

TURBO EPX2 SUPERIOR EPOXY PRIMER

Presentation

Fields of use:

Preparation of substrates designed to be covered with a waxed concrete or epoxy resin decorative coating.

Composition:

Dual component solvent epoxydic primer (resin part and hardener part)

Properties:

Excellent bond, good chemical insulation, no shrinkage, use as film-forming primer or sanded mortar to recover a slight difference in level (ideal for tiling joints). Accelerated drying time.

Packing:

5 kg (3.75 kg resin + 1.25 kg hardener)

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.

Preparation:

Film-forming application: A/B in weight: i.e. 3.75 kg resin for 1.25 kg hardener.

No need to thin.

Epoxy mortar to fill holes or recover a difference in level: Add 35 kg of SQ40 Sand for 5 kg of Turbo EPX2 Superior Epoxy Primer.

Epoxy mortar to create a level surface (tiling joints, etc.): Add 7.5 kg of SQ10 Sand for 5 kg of Turbo EPX2 Superior Epoxy Primer. Sprinkle an excess of SQ10 Sand (smooth finish mortar finish) or SQ20 Sand (high-performance self-levelling mortar finish) to create a mechanical grip on the substrate.

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

Application conditions:

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

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	<80%
Protect from wind, direct sunlight, rain and frost and the local fauna and flora during application and setting	

Application equipment:

Roller for a film-forming application, plasterer's trowel or toothed plasterer's trowel for a mortar application

Application:

Mortar application to recover a difference in level or fill holes:

Mix component A, component B and the SQ40 sand using a mechanical stirrer (low speed to minimise the incorporation of air) for three minutes to obtain a homogeneous mix.

Dust with SQ10 Sand (for Smooth finish mortar) or SQ20 (for Self-levelling mortar) when the epoxy mortar is still tacky.

Epoxy mortar application to create a level surface (tiling joints, etc.):

Mix component A, component B and the SQ10 sand using a mechanical stirrer (low speed to minimise the incorporation of air) for three minutes to obtain a homogeneous mix.

Dust an excess of SQ10 Sand when the coat is still tacky if you wish subsequently to lay a Smooth finish mortar.

Dust an excess of SQ20 Sand when the coat is still tacky if you wish subsequently to lay an Interior self-levelling mortar.

In all circumstances, dust the sand uniformly, remove the surplus using a vacuum cleaner when the primer is dry and check that there are no gaps. This is the key to a good bond.

If a hollow remains after drying (if the joints are deep), level again and dust with SQ10 Sand (for Smooth finish mortar) or SQ20 (for Self-levelling mortar) when the epoxy primer is still tacky.

Film-forming application on flat substrate: Apply the epoxy primer in two coats.

Dust with SQ10 Sand when the second coat is still tacky if you wish subsequently to lay a Smooth finish mortar.

Dust with SQ20 Sand when the second coat is still tacky if you wish subsequently to lay an Interior self-levelling mortar.

Coverage:

Film-forming application: 300 to 500 g/m² in two coats depending on the porosity of the substrate

Mortar application: about 2 kg (primer + sand)/m² for 1 mm thickness

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

Time open	10 minutes (pure epoxy) 25 to 30 minutes (epoxy mortar)
Dry to the touch	2 hours
Light traffic	3 hours
Can be covered by a decorative coating	4 hours
Completely dry	7 days

The drying times are more than doubled at 10°C.

Tool cleaning:
Solvent-based cleaner

Technical characteristics and performances

Product appearance:
Appearance in pot: resin: liquid; hardener: liquid
Finished appearance: transparent film

Density A+B (at 20°C): resin and hardener: about 1.1

Flash point: Not applicable

Practical duration of use:
Pure epoxy: 10 minutes at 20°C
Epoxy mortar: 20 to 25 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.

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