



EP LASTIK

Two component waterproofing flexible mortar

Description

EP LASTIK is a two-components water-based flexible mortar consisting of:

- component A: concrete ready mix;
- component B: aqueous dispersion of polymers and additives.

EP LASTIK may be applied on both horizontal and vertical surfaces and after curing forms a totally waterproof film with a good elasticity level.

The resulting layer is resistant to attack by thawing or de-icing salts, sulphates and chlorides and protects the substrate against carbon dioxide.

Where to Use

EP LASTIK is used for:

- waterproofing bathrooms, showers, balconies, terraces, swimming pools, etc. prior to tiling;
- waterproofing of concrete water storage tanks or cisterns;
- waterproofing of counterscarp walls or underground concrete walling units;
- the flexible coating of concrete structures, in particular when they have an inadequate concrete cover to the reinforcement;
- protecting cracked plaster or concrete against the penetration of water and aggressive agents;
- protecting road and rail viaducts;
- protecting concrete surfaces that could come into contact with seawater and solutions of thawing or de-icing salts.

Advantages

EP LASTIK:

- is easy to mix and apply;
- has excellent adhesion to concrete;
- has fast curing times.

Application

Preparation of the substrate

Take normal professional care by thoroughly cleaning all substrates in a workmanlike manner and removing loose parts, oil, grease, paint and anything that could prevent correct adhesion of the product.

Special preparations

1. Balconies and terraces:

- treat the angle fillets and joints as described in the instructions for use of BETONGUAINA and BETONGUAINA.S; seal the cracks with NORPHEN RICRETE;
- alter the pitch or slope (if necessary) with GROVE MASSETTO and GROVE PRIMER;
- abrade the surface of tiles with BOSCH GBR 14 CA grinder, or wash with NORDECAL FORTE. Wet absorbent surfaces with water.

2. Concrete structures:

- remove any cement laitance by specific abrasion; wash with water under pressure; damaged surfaces must be scarified and made good with products from the CONCRETE REPAIR range;
- wet absorbent surfaces with water.

3. Plasters:

- leave to cure for 1 or 2 weeks according to the thickness; if necessary consolidate with NORPHEN SW SOLID diluted 8-10 times in water and wait 2 days;
- wet absorbent surfaces with water.

Preparation of the mix:

- pour EP LASTIK comp. B into a suitable working container and add EP LASTIK comp. A while stirring continuously; mix thoroughly using a low speed mixer (500÷600 rpm);
- mix until a smooth lump-free mix is obtained.



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Application of the product:

EP LASTIK may be applied with a trowel or by mechanical means.

With a trowel, apply a first thin render onto the substrate (wetted if necessary); then apply a second coat wet on wet to obtain a total thickness of at least 2 mm.

If the product is being applied to balconies, terraces, swimming pools, tanks, etc. or to areas subjected to particular stress, insert fibreglass mesh reinforcement (4 x 4.5 mm mesh) RETE DI VETRO 160 between the render and flush second skim coat; wait for the first layer to set before applying a second final coat of product.

By mechanical means, use a spraying machine with skim coat nozzle, taking care not to exceed a thickness of 2 mm per coat.

It is almost always preferable in soffit areas to insert mesh reinforcement since these areas are subject to particular stress: after laying the mesh, go over with a smooth sleeker and apply a second final coat.

Tiling

On terraces and swimming pools:

- BETON-H 1 (C2TE-S2), or
- MONOTACK H BOND.

On balconies:

- MONOTACK FLEX (C2TE), or
- MONOTACK SUPER with the additive BETONLATEX.

Sealing/grouting

Grout with COLORFILL FLEX 2-12 or EPOSEAL W (epoxy joint filler class RG) or NORPHEN STUCCO POOL (epoxy joint filler class RG).

To seal expansion or movement joints use BETONSEAL MS 2.0.

Warnings and special instructions

- **Do not apply** onto substrates that are too warm due to a high summer temperature: in this case wet the substrate with water to lower the temperature and apply if possible in the afternoon.
- **Do not apply** onto surfaces that are frozen or could freeze within 24 hours after application.
- Do not apply with a single coat thickness exceeding 2 mm.
- Wait for approx. one week before tiling over the product.
- Apply at a temperature between +5 and +35°C.
- Foot traffic: 24÷36 hours.
- Complete curing under normal conditions: 7 days.
- The product is not dangerous: a safety sheet is, however, available.

Coverage

It is necessary to apply approx. 1.7 kg/m² to obtain a film thickness of approx. 1 mm.

Specifications

absolute density (A+B), UNI 8995		g/dm	1700
particle size (A), UNI EN 933-1		mm	< 0.315
solid content	A		100
	B	%	45 ± 2
surface drying time, UNI 8904		hours	8 ± 1
mix workability time		min	> 60
minimum film-forming temperature		°C	+ 1
permeability to water, UNI 8202-21°		kPa	250
permeability to water vapour, DIN 52615		μ	2200 ± 300
ultimate tensile strength, ISO 527		N/mm ²	> 0.4
ultimate elongation, ISO 527		%	> 22



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manually applied thickness	mm	2
A : B ratio	10 : 3	

Note: test methods are in accordance with the standard referred to in the table.

Packaging and storage

Risk symbols	comp. A: Xi - irritant comp. B: none
Packaging	comp. A: 25 kg bag, on pallets of 56 bags comp. B: 7.5 kg can
Storage	comp. A: 12 months in the original packaging, in a sheltered, dry place, at a temperature between +5°C and +35°C; the product must be protected against damp. comp. B: 24 months in the original packaging, in a sheltered place, at a temperature between +5°C and +35°C; the product must not be allowed to freeze.

Legal notice

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Edition

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