

ELASTOSIL

Elastic brushable 2 components cement-based waterproofing slurry.

Description

Flexible 2-components brushable cement based sealing slurry for waterproofing of concrete, bricks, plaster, wood, metal, cement mortars, cement blocks, stone and most construction materials. Elastosil has the ability to bridge wide cracks (even greater than 2mm). For sealing surfaces which have or are expected to show hairline cracks due to thermal expansion and contraction or vibration. Elastosil guarantees complete waterproofing under positive or negative hydrostatic pressure and the surface stays vapor permeable. Suitable for potable water tanks. Elastosil is based on two components, provided in ready to mix packs prior to their implementation. The mixture can be applied by brush easily and economically.

Application examples

Ideal for surfaces likely to be covered with tiles on balconies, terraces, pools and bathrooms, inverted insulation roofs, underground tanks, surfaces with ponding water, walls and basements, tanks, tunnels, foundations, canals, etc. It offers great durability under sun exposure and extreme weather conditions as final coating

Technical features

Form: Component A: cement-based powder
Component B: emulsion

Colour: White

Pot life: at least 70 minutes

Maximum coat thickness (2-3 coats): ≤5 mm

Minimum coat thickness (2-3 coats): ≥ 2 mm

Exposure to rain: after 3 hours

Earth filling: after 3 days

Foot traffic: after 24 hours

Water vapor permeability: $S_d = 0,8$ (class I $S_d < 5m$)

Compressive strength: 28 days: ≥ 19 N/mm²

Adhesion strength on concrete: ≥ 1,5 N/mm²

Static crack bridging ability 23°C: A4 (<2,5mm)

Dynamic crack bridging ability 23°C : B2 (1000 cycles, $f = 0,03Hz$, $W_o = 0,15mm$, $W_u = 0,10mm$, crack change 50µm)

Capillary absorption: $W < 0,1$

Surface preparation

Provide stable surfaces. Remove loose or detached fragments, dirt, oil, dust etc. Seal off and repair any major voids and gaps. Smoothen the surface by breaking pointed projections and fill all voids with repair mortar. Repairs and evening - out of surfaces shall be carried out using suitable products from the BAUER range. In case materials are applied in interior basements, provide gutters in corners, made with suitable repair mortar (e.g. BETOFIX).

Substrates

- concrete
- renders
- plaster boards
- cement boards
- mosaic
- cement screeds
- cement blocks
- ceramics
- natural stone etc.

Highly absorbent substrates

For surfaces exposed to extreme solar radiation and during extreme summer heat or in case substrate is excessively absorbent, we recommend one coat of primer (PRO 101 or BAULAT, suitably thinned with water) or slight wetting of substrates preventing still water spots, to reduce water absorption and to avoid quick mortar dehydration.

Mixture preparation

The 2 parts are supplied in cans, ready for mixing. Stir well all component A to be used (mortar) into component B (emulsion) using electric agitator operating at low rpm. You may add up to 5% water for a less thixotropic composition depending on application (applied by spatula or brush). Adding more water than the prescribed ratio may result in reducing the final strength of the mortar. We recommend regular stirring without adding water.

Instructions for use

Apply the product using roller brush, hard brush or spackle knife cross wise in two or more coats. The second coat can be applied on top of the first one after it has become sufficient soaked, at least for 5-10 hours yet before complete drying. Where required, apply a third coat in the same way. Each coat may not be thicker than 1-2mm. Ensure that the product penetrates and seals off all voids. In case of filling surfaces with demolition debris, allow complete drying of the product so that sufficient strength is developed, at least for 3 days. Application is not recommended under extreme solar radiance (temperature greater than 35° C) or rainfall, or in periods when temperature is expected to drop below zero. During the summer season, keep surfaces damp by lightly spraying water for a couple of days after application. Clean application tools with water immediately after use.

Product specifications

It is classified as type Surface protection products-Coating according to EN 1504-2

Consumption

1,0- 1,3 kg/m²/mm or 2-4 kg/m² total consumption.

Storage

Preferably in shady and roofed locations, low in moisture. protected against ice, high temperature and exposure to sunlight for at least 12 months.

Packages

35kg, 16kg (A+B)

Precautions & safety

The product contains cement and is classified as irritant. No special precautions are necessary for product application except for standard precautions applicable to all construction operations i.e. using gloves and goggles; preventing prolonged skin contact; etc. In case of eye contact, immediately wash with plenty of water and seek medical advice if necessary. Collect empty bags and plastic covers and dispose in refuse bins designated for this purpose. Consult instructions for safe use indicated on product packaging. For more information please refer to the material safety data sheet of the specific product.

Notes

Technical details, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal

conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

Other information

BAUER BUILDING TECHNOLOGIES
Megara Industrial Estate, Attica
Tel: +30210 5744222 Fax: 30210 5740777
Email: info@netbauer.com
[http:// www.netbauer.com](http://www.netbauer.com)

Frankfurt, Reg. No 312310 QM
Qualitätsmanagementsystem
Zertifiziert nach DIN EN ISO 9001