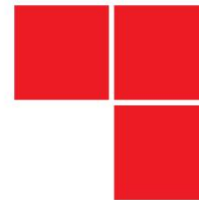


BAU S10G

Elastic 2-component liquid applied sealing system



Description

Flexible, 2-component brushable sealing slurry for complete and permanent waterproofing of concrete, brickwork, plaster and generally mineral construction materials. BAU S10G has the ability to bridge surface cracks and is ideal for waterproofing substrates that show or are expected to show hairline cracks due to thermal contractions-expansions or vibrations. For example, surfaces to be covered with tiles on balconies, terraces, swimming pools and bathrooms, inverted insulation roofs, walls and floors of basements, tanks, tunnels, foundations, canals, etc. BAU S10G guarantees no water penetration under both positive or negative hydrostatic pressure, while at the same time the surface stays vapor permeable. It is suitable for direct contact with drinking/potable water. It can be backfilled, covered with tiles, marble, stone or other covering material, as well as plastered or left as is and act as finish coat.

Features and advantages

- Exceptional sealing under hydrostatic pressures exceeding 12 atm /DIN 1048.
- Full elastic waterproofing applications with capillary cracks or risk of future cracking subject to intense contractions and vibrations.
- Vapor permeability
- Crack-bridging ability.
- Excellent compatibility/adhesion with application substrates, even without priming.
- Protection of concrete from carbonization.
- Suitable for drinking water tanks and surfaces coming into contact with foodstuffs
- Does not corrode steel in concrete.
- Can be covered with soil, coated with tiles, marbles, stones, or other covering, plastered or remain unchanged.
- Easy and low cost application
-

Application examples

concrete works, plaster, plaster board, cement board, wood, metal, mosaic, cement screeds, cement blocks, bricks, artificial and natural stones etc.

The material is used for sealing the following surface types:

- Roofs, cellars, balconies, Swimming pools*
- Bathrooms, inverted roofs, floors
- tanks, tunnels, foundations, wells, elevator shafts, gullies, tile roof substrates
- old and new structures, brick or cement block structures
- surfaces to be covered with tiles (bathrooms, swimming pools, balconies etc.*

*Attention! A prerequisite for the Ph of the water to remain neutral



Substrates preparation

Provide clean and stable surfaces, completely dried and free from shrinkage tendencies. 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 BAUSKIN range. In case materials are applied in interior basements, provide grooves in corners, made with suitable repair mortar (e.g. BAU R2). In cases of waterproofing the bathroom, balcony or roof areas with BAU S10G, it is recommended before application to install the BAU BF butyl tape at the corners between the floor and wall (vertical surfaces), without creating a couloir.

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 (BAU L40, 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).

TDS_BAU S10G_09.2023



BAU S10G

Elastic 2-component liquid applied sealing system



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 trowel 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.

BAU S10G can be also sprayed, with a screw-blowing mortar machine, with a nozzle capable of spraying at a particular size > 1mm. It is applied after the surface of the substrate has settled to saturation. Spray application is done in two layers. The time required between the two layers is such that the second one is applied once the first one has dried but remains relatively wet.

In case the surfaces intended for application of BAU S10G must be fitted with tiles, we recommend using tile adhesive for non-absorbent substrates. Finally, if surfaces are to be plastered, we recommend making the plaster elastic using BAU L40 improver emulsion. Application is not recommended under extreme heat (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.

Consumption

2,5 -4 kg/m² (1,3 kg/m²/mm)

The required consumption of BAU S10G depends on the required degree of waterproofing

Notes

The ready for use product BAU S10G presents a maximum volatile organic content < 140 gr/l, a value that conforms to Directive 2004/42/EC (Annex II table A) for product subclass I, type Y.

Packages

Containers (A+B) 33kg, (25 kg mortar + 8kg emulsion)

Storage

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

Technical Features

Form:

Component A: cement-based powder; component B: emulsion

Colour A+B:

A-gray powder, B- white emulsion

Mortar density:

1,4-1,6 kg/L

Working time in the mixing container:

at least 70 minutes

Maximum coat thickness (2-3 coats):

≤5 mm

Minimum coat thickness (2-3 coats):

≥2 mm

Earth filling:

after 3 days

Ready to walk:

after 24 hours

Application temperature:

+5°C to +35°C

Temperature resistance:

-30°C to +80°C

Compressive strength

28 days ≥ 19 N/mm²

Flexure strength at 28 days:

28 days ≥ 9 N/mm²

Water vapor permeability:

class II

Bond strength on concrete after 28 days: :

≥ 1,5 N/mm²

Static crack bridging ability 23oC (EN 1062-7):

A2

Dynamic crack bridging ability 23 oC:

B1 (1000 cycles, $f=0,03\text{Hz}$, $W_o=0,15\text{mm}$, $W_u=0,10\text{mm}$, crack change 50µm)

Water permeability under positive hydrostatic pressure: (EN 12390-8, 3 days > 5 bar)

No penetration

Water penetration under negative hydrostatic pressure at 1,5 bar):

No penetration

Water vapor permeability:

Class II

Capillary water absorption::

< 0,1 kg/m² h^{0.5}

TDS_BAU S10G_09.2023



BAU S10G

Elastic 2-component liquid applied sealing system



Signalization

The ready-to-use BAU S10G product has a maximum Volatile Organic Compounds content of VOC <130gr/ l which is in compliance with Directive 2004/42/ EC (Annex II, Table A) for subcategory I of type Y. Do not leave the BAU S10G exposed to swimming pools (overflow tanks). In case of tank waterproofing it is proposed to check the possibility of using water cleaners to comply with the principles defined by EN 1504-2 (concrete protection systems)

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 BAUSKIN 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 used 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.

Exclusive distribution for Greece:

BAUFOX Ltd
Email: info@baufox.com
www.baufox.com

Exclusive distribution for Greece:

ALTO CEMENTOCHEMICA KA Ltd
Email: info@altocy.com
www.altocy.com

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

