BAU S11

Brushable cement-based mortar/water barrier for easy, full waterproofing of basements, tanks, tunnels, foundations, manholes, canals etc.

Description

Cement based sealant mortar **BAU S11.** Features osmotic action and protects cement and reinforcement from the corrosive effect of water. Allows easy and quick spreading by round brush or spackle knife (spatula). Delivers unmatched waterproofing and strength never before achieved in similar sealers under positive or negative hydrostatic pressure above 12 atm /DIN 1048.

The material is used for sealing the following surface types:
- basements
- cellars
- floors
- tanks
- tunnels
- foundations
- wells
- gullies
- old and new structures
- brick or cement block structures
- planters
- tile roof substrates
- behind wood siding
- swimming pools
- elevator shafts, etc.

May be backfilled, covered with tiles, marble, stone or other covering, may be plastered or left as a finish coat

Substrate 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 **BAUSKIN** range. In case materials are applied in interior basements, provide gutters in corners, made with suitable repair mortar (e.g.**BAU R2**).

Substrates
- concrete works
- plaster work
- plaster board
- cement board
- mosaic
- cement screeds
- cement blocks
- engineered or 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 (BAU PR1 or 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.

Technical Datasheet

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Mixture preparation

The material must be prepared in a suitable container; first pouring approximately ¾ of the required quantity of water and then gradually add the contents of the bag, stirring at the same time by electric agitator operating at low rpm. Then add water until a uniform mixture with the required makeup is obtained. The quantity of mixing water written on the surface is only exemplary. You may add a commensurate quantity of water for more or less thixotropic composition, depending on the intended application (applied by spackle knife or flat brush). Adding much more water than the prescribed quantity (>0.5 l) may result in reducing the 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 in 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.

Technical features

Form:	
Cement-based dry mortar	
Colour:	
Grey	
Mortar density:	
1,2kg/L	
Mixing water:	
≈7-8 L / 1 25 kg bag	
Pot life:	
at least 70 minutes	
Temperature resistance:	
-30° C to +80°	
Maximum coat thickness (2-3 coats):	
≤5 mm	
Minimum coat thickness (2-3 coats):	
≥ 2 mm	
Exposure to rain:	
after 3 hours	
Earthfilling:	
after 3 days	
Foot traffic:	
after 24 hours	

Consumption
2-4 kg/m^2

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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
25kg bags. Plastic bags containing 5kg in 20kg carton boxes.

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

CE
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EN 1504-2
Surface protection products,Coating

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 here under. Product users are advised to refer to the latest revision of the technical manuals available.

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