

# AQUASIL 2C

Flexible, 2-components brushable sealing slurry

## Description

Flexible, 2-component brushable sealing slurry for complete and permanent waterproofing of concrete, brickwork, plaster and generally mineral construction materials. Aquasil 2C is ideal for waterproofing substrates that show or are expected to show haircracks due to thermal contractions-expansions or vibrations like 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. Aquasil 2C guarantees complete waterproofing under positive hydrostatic pressure and the surface stays vapor permeable. Suitable for contact with drinking water. Aquasil 2C is a product of two components which are provided in ready to mix packs prior to their implementation and the mixture applied by brush easily and economically.

## Application examples

The material is used for sealing the following surface types:

- Basements
- Substrates to be covered with tiles
- Inverted insulation roofs
- Cellars
- Tanks
- Tunnels
- Foundations
- Wells
- Brick or cement block structures
- Swimming pools
- Elevator shafts, etc.

May be backfilled, plastered or left as a finish coat.

## Technical properties

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

**Colour:** Grey

**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:** Class I ( $S_d < 5\text{m}$ )

**Capillary water absorption:** ( $\text{kg/m}^2 \cdot \text{h}^{0.5}$ ): < 0,1

**Bond strength to concrete after 28 days:** >1.0 (N/mm<sup>2</sup>)

## 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 smoothening of the surfaces should be carried out using suitable BAUER products. In case materials are applied in interior basements, provide gutters in corners, made with suitable repair mortar (e.g. BETOFIX).

## 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 (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 adequately component A (mortar) into component B (emulsion) using electric agitator operating at low rpm (applied by spatula or brush). We recommend regular stirring of the mixture without adding water.

## Instructions for use

Apply the product using roller brush, hard brush or spatula cross wise in two or more coats. The second coat can be applied on top of the first one after it has soaked sufficiently for at least 5-10 hours before complete drying. Where required, apply a third coat in the similar way. Each coat should 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. In case the surfaces intended for application of AQUASIL 2C must be fitted with tiles, we recommend using tile adhesive for non-absorbent substrates. Finally, if surfaces are to be plastered, we recommend enhancing the plaster's elasticity by adding BAULAT emulsion. 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.

## Consumption

1,0- 1,3 kg/m<sup>2</sup> / per mm of layer or 2-4 kg/m<sup>2</sup> total consumption.

## Storage

Preferably in sheltered locations, protected from moisture, ice and sun exposure, for 12 months from the date of production and in the original packaging.

## Packages

25kg (19,5kg mortar, 5,5 kg emulsion)

## Product specifications

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

## Volatile Organic Compounds (VOCs)

The ready-to-use product contains a maximum of 140 g/l VOC. (According to the Directive 2004/42/CE, Annex II, table A), the maximum allowed VOC content for the product subcategory j, type WB is 140 g/l.

## 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 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.

## Other information

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