

AQUASIL SMART

Flexible liquid membrane for internal and external waterproofing applications.

Description

Ready to use, very fast drying flexible liquid membrane for internal and external waterproofing applications. Ideal for waterproofing surfaces prior to installation of ceramic tiles, stone, mosaic covering etc. It is applied on balconies, terraces, bathrooms etc and in wet areas in general.

Application examples

The material is used to form a waterproofing membrane before applying ceramic, stone and mosaic coating in:

- balconies
- terraces
- bathrooms
- showers and shower cubicles
- laundry rooms
- saunas and damp environments in general.

Advantages

- Ready to use
- Very quick drying. Resistance to water in about 1 hour after the first layer is applied and 3 hours after the second layer.
- Very elastic, at 23 °C it has 3.2mm crack bridging ability without reinforcement.

Technical Characteristics

Colour : Cyan

Density (dry): between 1,3 Kg/L

Minimum coat thickness (2 coats): $\geq 0,8$ mm

Application temperature: $+5$ °C to $+35$ °C

Initial Bond strength: $\geq 0,5$ N/mm²

Bond strength after water immersion: $\geq 0,5$ N/mm²

Bond strength after application of heat source: $\geq 0,5$ N/mm²

Bond strength after freeze-thaw cycle: $\geq 0,5$ N/mm²

Bond strength after immersion in basic water: $\geq 0,5$ N/mm²

Bond strength after immersion in chlorinated water: $\geq 0,5$ N/mm²

Crack-bridging ability at 23°C: $\geq 0,75$ mm

Crack-bridging ability at -5°C: $\geq 0,75$ mm

Impermeability to water under pressure: No penetration

Waiting time between layer application: appx 1 hr (when dry to touch)

Waiting time before laying coating: after 3-4 hours

Light pedestrian traffic: after 3 hours

Complete drying of 1 mm thick layer: after 12 hours

Substrate preparation

Substrates must be cured, stable, clean and dry surfaces (rising moisture $<3\%$). Remove loose or detached fragments, dirt, oil, dust as well as any other substances which could compromise bonding. Seal off and repair any major voids and gaps. Smoothen the surface by breaking pointed projections and fill all voids with suitable repair mortar.

Substrates

- concrete
- cementitious and other screeds
- plaster boards
- existing coating in ceramic, terrazzo and stone
- cementitious render

Instructions for use

Apply the product using a long-haired roller, brush or trowel, in two even layers (approx. 0,4 mm per layer). Wait until the first layer is dry, before applying the second layer in a cross fashion to the first layer (app 1 hour at 23°C and 50% humidity) and substrate having lower than 3% residual humidity). The final thickness of the two layers must be at least 0,8mm, in order to create a continuous and flexible membrane. Make sure during installation that there are no interruptions in the membrane, due to substrate imperfections. The membrane must be protected from bad weather conditions until completely dry. Clean all tools with water immediately after use and while fresh.

Product specifications

It is classified as Dispersion liquid-applied water impermeable with improved crack bridging ability at low temperature and resistant to contact with chlorinated water for all external installations and

swimming pools beneath tiles (DM 01P) according to EN 14891.

Consumption

1 Kg/m² for 2 layers (1,3 Kg/m² for 1mm thickness).

Storage

In dry areas, protected from ice and high temperature for 24 months from the date of production and in the original sealed packaging.

Packages

23,5 Kg (4,75 US gal).

Precautions & safety

The product is not considered dangerous according to current regulations regarding the classification of mixtures. However, it is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemicals. For further information please refer to the latest version of the Material Safety Data Sheet (MSDS).

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

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