

## PRODUCT DATA SHEET

# Casco® AquaStop

Waterproofing flexible membrane.



### DESCRIPTION

Ready for use 1-component crack bridging dispersion waterproofing membrane for waterproofing membrane installation under ceramic tiles and natural stones in wet rooms. ETAG 022 approved.

### USES

- for interior areas only
- for wall and floor applications
- in private and public shower rooms, bathrooms, and laundry rooms
- in highly loaded public wet rooms: shower rooms, in the sports facilities, hospitals, therapy rooms
- suitable on a heated floor.

### CHARACTERISTICS / ADVANTAGES

- Crack bridging
- Highly elastic
- High water vapour tightness
- Thixotropic consistence
- Easy to apply

### APPROVALS / CERTIFICATES

- *Approved according ETAG 022 (ETA-11/0518)*
- Emission EC1: very low emission
- M1 emission classification

### PRODUCT INFORMATION

|                       |  |
|-----------------------|--|
| Composition           | synthetic resin dispersion, solvent-free   |
| Packaging             | <ul style="list-style-type: none"><li>▪ 14 L (approx. 21,8kg)</li><li>▪ 10L (approx. 15,6kg)</li><li>▪ 5L (approx. 7,8kg)</li><li>▪ 1L (approx. 1,6kg)</li></ul> |
| Shelf life            | 12 months from production date (packaging) in unopened packaging. Opened packaging should be closed immediately and used up as soon as possible.                 |
| Storage conditions    | In cool, dry, frost-free conditions (in closed packaging). Not above +35 °C and not below +5 °C.   |
| Appearance and colour | Blue-grey  |
| Density               | 1,56 kg/L  |
| pH-Value              | 8  |

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## TECHNICAL INFORMATION

### Permeability to water vapour

- sd 18,7 m, Zv 701.250 s/m (0,9l Casco Aquastop and including primer Casco VD Universal Primer (Casco Primer), tested at +23°C RH 93%→50%)

## APPLICATION INFORMATION

### Consumption

- **Crack bridging category 2 acc. ETAG 022:** min.0,9 l/m<sup>2</sup> (in two layer application, gives the total layer thickness of the dry film min. 0,5 mm)
- **Crack bridging category 1 acc. ETAG 022:** min.0,75 l/m<sup>2</sup> (in two layer application, gives the total layer thickness of the dry film min. 0,4 mm)
- **As adhesive for sheet membrane CASCO WETSTOP:** minimum 0,3 l/m<sup>2</sup>

### Layer thickness

- **Crack bridging category 2 acc. ETAG 022:** Wet layer thickness minimum 0,45 mm for each application layer (two application layers). Dry layer thickness of the whole coating, applied in two layers minimum 0,5 mm.
- **Crack bridging category 1 acc. ETAG 022:** Wet layer thickness minimum 0,40 mm for each application layer (two application layers). Dry layer thickness of the whole coating, applied in two layers minimum 0,4 mm.

### Curing time

- between the 1st and 2nd coat: approx. 3 h.- on wall/ approx. 5 h. on floor
- after the 2nd coat approx. 3 h. on wall/ approx. 5 h. on floor

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

Observe the minimum layer thickness of the dry waterproofing membrane by controlling the thickness of each wet layer.

Observe the consumption of minimum 0,3 l/m<sup>2</sup> Casco® AquaStop while using it as an adhesive to adhere the sheet membrane Casco® WetStop. Do not apply Casco® AquaStop in the overlapping area between different sheets of sheet membrane Casco® WetStop, neither between sealing accessories, while installing the watertight covering kit of sheet membrane Casco® WetStop.

For ceramic tile installation alternatively choose Casco tile adhesive, approved by the ETA of watertight covering kit Casco® AquaStop: MultiFix, MultiFix White, MultiFix Premium, MultiFix Rapid, MultiFix Super-Flex, Easy Pro (only for wall application).

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

#### Normal absorbent substrates:

- concrete
  - cement screeds
  - cement plaster
  - lime-cement plaster
  - gypsum boards
- prime with Casco® VD Universal Primer (1:3).

#### Calcium sulphate substrates:

- calcium sulphate screeds
  - gypsum plaster
- prime with Casco® VD Universal Primer (1:1), drying time at least 24 hours.

#### Non-absorbent substrates

- ceramic coverings, stable, thoroughly cleaned and if necessary abraded
- prime with Casco® VD Super Grip, drying time at least 3 hours.

### SUBSTRATE QUALITY / PRE-TREATMENT

The substrate should be sufficiently sound, loadable, solid, and free of dust, dirt, oil, grease, and interfering agents. Remove parting and sinter layers by appropriate measures. Old ceramic covering surfaces must be thoroughly cleaned and abraded if necessary.

Gypsum plasters (according EN 13279-1) should have a residual moisture of ≤ 75% RH. Cement-based screeds (28 days old): ≤ 85% RH, cement-based screeds (heated): ≤ 75% RH, calcium sulphate screeds must have residual moisture of ≤ 75% RH, as floor heating screed ≤ 65% RH.

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The heated screed temperature must be  $\leq 20^{\circ}\text{C}$  during the membrane installation phase and during the next 24 hours.

Uneven substrates must be smoothened with the appropriate Casco levelling compound as required prior to the membrane application.

Observe country-specific guidelines.

## MIXING

Casco® AquaStop is ready to use.

## APPLICATION

- Apply the first layer alternatively with a brush or a long hair roller.
- Sealing accessories should be installed during the first Casco® AquaStop application layer.
- Movement joints as well as floor and wall connection joints should be bridged with sealing tape WetStop KL or self-adhering tape WetStop Butyl, WetStop SH, or WetStop Vinkelband.
- Inside corners must be sealed with WetStop PC, external angles with WetStop PC-E.
- The penetrations around the floor drains should be sealed with WetStop MG or WetStop MG-L, depending on the type of floor drain.
- The penetration around the pipes should be sealed with WetStop C (previously MP) sealing cuffs. Choose the appropriate WetStop C (MP) sealing cuff, depending on pipe diameter.
- The sealing WetStop KL/ Vinkelband/ PC/ PC-E/ C (previously MP) must be inserted into the fresh Casco® AquaStop.
- Self-adhering sealing tapes WetStop Butyl/ SH and self-adhering floor drain sealing cuffs WetStop MG/ MG-L should be inserted prior Casco® AquaStop application directly after the priming phase on the dry film.
- The complete top surface of the sealing tapes WetStop SH/ Butyl and floor drain sealing cuffs WetStop MG/ MG-L must be covered with Casco® AquaStop.
- Apply Casco® AquaStop in the areas which could be covered with WetStop sealing accessories within the open time of approx. 10 minutes.
- At least 5 cm is required in the overlapping area of the sealing accessories.

## CLEANING OF EQUIPMENT

Clean tools with water immediately after use.

## LOCAL RESTRICTIONS

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Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Casco products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or on the website [www.casco.eu](http://www.casco.eu).

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