



A SIKA BRAND

PRODUCT DATA SHEET

Casco[®] AquaStop

READY FOR USE 1-COMPONENT CRACK BRIDGING DISPERSION WATERPROOFING MEMBRANE FOR WET ROOMS.



DESCRIPTION

The watertight covering kit CASCO AQUASTOP intended to install a waterproofing membrane in: private and public shower rooms, bathrooms and laundry rooms under ceramic tiles or natural stones. Suitable on heated floor, for wall and floor applications in interior areas.

USES

CASCO AQUASTOP is intended for waterproofing membrane installation under ceramic tiles and natural stones:

- in private wet rooms: bathrooms and shower rooms
- in highly loaded public wet rooms: shower rooms in the sports facilities, hospitals, therapy rooms
- in laundry rooms
- in toilets
- on heated floor
- in interior areas

CHARACTERISTICS / ADVANTAGES

- Quick drying
- Crack bridging & highly elastic
- High water vapour tightness
- Thixotropic consistence
- Changing the color after drying

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	14l, 10l, 5l, 1l buckets
Appearance / Colour	Blue-grey
Shelf life	12 months
Storage conditions	in cool, dry and frost-free conditions (in closed packaging)
Density	approx. 1.56 kg/l
pH-Value	8

TECHNICAL INFORMATION

Permeability to Water Vapour

- sd 18,7 m, Zv 701.250 s/m (including primer CASCO PRIMER, tested at +23°C RH 93%→50%)
 - sd 57,7 m, Zv 2.162.691 s/m (including primer CASCO VAPOURSTOP, tested at +23°C RH 75%→100%)
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APPLICATION INFORMATION

Consumption

- **Crack bridging category 2 acc. ETAG 022:** min.0,9 l/m² (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/m² (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/m²
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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
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APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

normal absorbent substrates

- concrete
- cement screeds
- cement plaster
- lime-cement plaster
- gypsum boards

prime with CASCO PRIMER (1:3)

calcium sulphate substrates

- calcium sulphate screeds
- gypsum plaster

prime with CASCO PRIMER (1:1) (drying time at least 24 hours)

non-absorbent substrates

- ceramic coverings, stable, thoroughly cleaned and if necessary abraded

prime with CASCO SUPERPRIMER (drying time at least 3 hours)

In case there is required a vapour tightness of wall or floor constructions with more than sd- value 18,7 m, primer CASCO VAPOURSTOP has to be applied with a short hair paint-roller in 2 coats, first coat min. 0,12 l/m², second coat min. 0,08 l/m².

REQUIREMENTS OF THE SUBSTRATES

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. Heated screed temperature must be ≤ 20°C during

the membrane installation phase and during the next 24 hours. Observe country-specific guidelines. Uneven substrates must be smoothed with the appropriate CASCO levelling compound as required prior the membrane application.

RECOMMENDED METHOD OF WORKING

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, or WETSTOP SH, or WETSTOP VINKELBAND. Inside corners has to 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 penetrations around the pipes should be sealed with WETSTOP MP sealing cuffs. Choose the appropriate WETSTOP MP sealing cuff, depending on pipe diameter.

The sealing WETSTOP KL/VINKELBAND/PC/PC-E/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.

IMPORTANT CONSIDERATIONS

Observe the minimum layer thickness the dry water-proofing membrane by controlling the thickness of each wet layer.

Observe the consumption of minimum 0,3 l/m² 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 water-tight covering kit CASCO AQUASTOP:

CASCO MULTIFIX, CASCO MULTIFIX WHITE, CASCO MULTIFIX PREMIUM, CASCO MULTIFIX RAPID, CASCO MULTIFIX SUPERFLEX, CASCO FLOORFLEX PREMIUM (only for floor application), CASCO KAKELLIM PREMIUM (only for wall application).

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.

LOCAL RESTRICTIONS

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.

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.

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