

A professionally prepared substrate is the prerequisite for successful sealing. According to the ZDB [Central Association of the German Building Trade] information sheet, the substrate surface must be adequately flat, stable and free from continuous cracks. No adhesion-reducing impairments such as e.g. dust, release agents or efflorescence are allowed. Any levelling measures must be carried out before laying **Aquastop**. The levelling layers must be compatible with **Aquastop**.

Aquastop sealing system consists of the following components:

- Aquastop sealing membrane
- Aquastop es sealing tape
- Aquastop es inside corners
- Aquastop es outside corners
- Aquastop es sealing sleeves 65 – 140 mm (floor)
- Aquastop es sealing sleeves 15 – 35 mm (pipe feed-throughs)
- Aquastop es sealing sleeves 22 – 60 mm (pipe feed-throughs)
- C2 tile adhesive Sopro No. 1
- C2 tile adhesive CODEX Power CX3
- C2 tile adhesive PCI Flex Mortar S1
- MS polymer adhesive for overlaps Winflex TFS sealing adhesive
- MS polymer adhesive for overlaps Ottocoll M 500

Areas of application:

Aquastop sealing membranes are used for lasting, safe sealing of wall and floor surfaces underneath ceramic flooring in pools, showers and other damp rooms in commercial areas.

The applications cover a broad spectrum, from home bathrooms to public sanitary facilities and canteen kitchens.

Flagstones and tiles are laid directly on the sealing layer with no additional layers between and without long waiting periods. This is ideal particularly when working under pressure of time and in drywall construction.

Aquastop sealing membranes are also suitable for external use on uncomplicated substrates.

Application notes:

Substrate preparation:

The area for application of the sealing sheet must be dry or moist, firm, stable, warp resistant and free of dust, dirt or release agents. Substrates must be pre-treated according to type, if necessary.

The substrate may deform only slightly after sealing. No cracks may exceed 0.2 mm after sealing.

Application: Sealing membranes, sealing tapes and system components must be cut to size and adjusted before application.

1. Sealing of edge or corner joints, transition of floor / wall and corners of walls:

After preparing the substrate, the outside and inside corners and then the sealing tapes will first be full surface glued to the floor / wall transitions and into the corners of walls. The seals must be centred on transitions or corners of walls.

At least 50 mm sealing tape / sealing tape or sealing tape / inside or outside corner overlap is required. Winflex TFS sealing adhesive or Ottocoll M550 MS polymer adhesives should be used for gluing of overlaps (drying time will depend on the size and weight of further ceramic structures; normal tiling needs no specific drying time).

Avoid air bubbles under system components. Wipe air bubbles to the outside using a smoothing trowel or slick-stone. Press down the system components firmly to achieve full surface adhesion. Spread excess adhesive along the bonding edge.

2. Sealing of surfaces:

To seal wall and then floor area surfaces, use a 4-tooth spatula to apply the C2 tile adhesive full surface, to manufacturer's instructions, including over the edges of the sealing tape fleece.

The sheets are then glued full surface. Lay the sheets up to the edges in transitions and corners, with the sealing membrane overlapping the sealing tape by 50 mm. Lay individual sheets onto the surfaces to overlap by at least 50 mm. Firmly press down the sealing membrane for full surface adhesion. Press down with a smoothing trowel and smooth away air bubbles by wiping towards the edges.

Use MS polymer sealing adhesive to full surface glue and thus caulk all sealing membrane / sealing tape and sealing membrane / sealing membrane overlaps. Spread excess adhesive along the bonding edges. Normal tiling requires no specific drying time. Ensure that sealing compounds in the overlapping area are applied according to manufacturer's instructions and that the coating is correspondingly dry.

Allow at least 2 hours for drying when working with particularly heavy tiles.

3. Sealing of penetrations, pipes, drains and installation parts:

Use MS polymer sealing adhesive to seal penetrations and installation parts and the corresponding floor and wall sleeves, ensuring full surface bonding to substrates (sealing membrane) and penetrations / installation parts. Use only floor drains with adhesive, loose or fixed flanges. Apply sealing adhesive to appropriately large areas using a 3-tooth applicator, then lightly press down the relevant wall or floor sleeve and smoothen.

Spread excess adhesive along the bonding edges. Avoid enclosing air bubbles.

Notes:

When work is complete, check the entire sealed area for flaws or damage (e.g. perforations). Rework areas with punctures or uneven parts to ensure suitable sealing across the entire area.

Be careful when using new, sharp tools on sealing membranes, sealing tapes and system components. Such tools may damage sealing components and thus cause leakages!

Residual and waste material may be disposed of in residual waste / yellow drums or with packaging waste.

Storage:

Shelf life will be twelve months under conditions of perfect storage, i.e. covered and in the original packaging, and storage temperatures of 15 to 25°C and 40 to 60% humidity.

Attention! Important Note:

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Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

These processing notes replace all previous versions and are valid until a new version is issued, or until Dec. 31, 2024. Please request the latest version after Jan. 01, 2025.

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