

Aquastop Fabric

Thin, waterproof polyethylene sheet with high expansion/anti-tear, coated on both sides with polypropylene fabric. Ideal as an anti-cracking waterproofing system/composition for areas with moderate stress.

Aquastop Fabric guarantees optimum adherence with adhesives from the Biogel® range.



PRODUCT STRENGTHS

- High dilation to expansion/anti-tear
- Crack bridging
- Water-resistant
- Reduces the stress
- Impermeable within the system
- Vapour barrier
- Flexible
- Internal
- Suitable for use on heated floors
- Resistant to alkalis and chemical aggression
- Anti-cracking

AREAS OF USE

Use

For waterproofing of floors and walls before laying ceramic, glass mosaic, natural stone and composite coverings.

Suitable for:

- cement-based screeds, concrete elements, lime-based plasters/renders, cement and cement-lime based plasters/renders, existing ceramic floorings and coatings, floor tiles and natural stone slabs (existing coatings must be thoroughly cleaned with a special detergent and sanded if necessary);
- on gypsum-based plasters/renders, plasterboard, prefabricated gypsum panels, anhydrite screeds, gypsum and anhydrite based self-levelling and finishing coats.

Do not use

External; on bitumen, metal; to waterproof uncoated surfaces subject to foot traffic; on substrates that are damp or subject to moisture rising.

INSTRUCTIONS FOR USE

STORAGE

Protect the rolls from direct sunlight, heat sources and rain, both during storage in the warehouse and on site. When laying the sheets, protect them from sunshine until shortly before application.

INSTRUCTIONS FOR USE

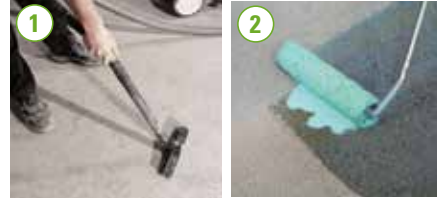
PREPARATION OF SUBSTRATE

- 1 Check the mechanical performance and surface consistency of the laying substrate.
- 2 Check the levelness and the presence of suitable camber that will guarantee drainage via suitable drains. Fill in any irregularities in the substrate using a suitable finishing product.



SUBSTRATE WATERPROOFING

- 1 Clean the substrates of dust, oil and grease, loose debris or flaky parts, residues of cement, lime, plaster/render, or paint coatings.
- 2 Do not apply to substrates at a temperature $> +35^{\circ}\text{C}$ (temperature of the substrate); in case of highly absorbent substrates (old screeds, concrete, etc.) apply Primer A Eco certified, eco-friendly, water-based primer, as indicated in the technical data sheet.



- 3 Unroll the sheets and cut them to measure, leaving a space of approximately 5 mm between one sheet and the next.



- 4 Make cuts and holes to measure on the sheets where there are pipes or drains in order to allow for the correct application of the membrane.



- 5 Apply Biogel® gel adhesive using a suitable toothed spreader and adjust the thickness tilting the spreader and using its toothed part. Apply the gel adhesive to a surface area that will allow laying of the sheets within the open time indicated (check the state of the adhesive frequently). Avoid any build-up of gel adhesive that might compromise the flatness of the sheets.



- 6 Position the sheets or unroll them onto the fresh gel adhesive, taking care they are flat and avoiding the formation of creases or bubbles.

- 7 Create joints approximately 5 mm in width between one sheet and the next.



- 8 **Immediately press the sheets down onto the fresh gel adhesive using a smooth spreader and press properly to ensure that the membranes are taut.**

- 9 Lay the next sheet, aligning it with the preceding one and leaving a gap of approximately 5 mm between one sheet and the next; press immediately, being particularly careful when using the spreader along the edges of the sheets.

Notes

- When laying the membrane on wood, metal, rubber, PVC, linoleum and fibreglass, use Biogel® Extreme®
- To lay the membrane on existing floors and coverings, verify their integrity and adhesion; they must be thoroughly cleaned with a special detergent and sanded if necessary.

WATERPROOFING OF INTERNAL AND EXTERNAL ANGLES

- 1 Seal the outer edges of the surface, starting from the corners.



- 2 Apply Aquastop Fix on the edges of the membranes using a smooth spreader. Be careful to completely fill the joint between the sheets.



- 3 Position the Aquastop 120 corner piece on the fresh sealant. Press firmly and smooth over the tape to ensure it adheres perfectly, being careful not to wrinkle it.



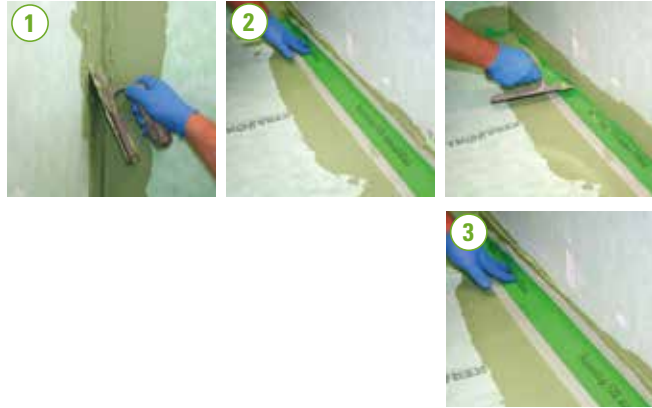
Notes

- Do not totally cover the sheet with the sealant, in order to ensure that the subsequent bonded covering will be properly level.
- Use Aquastop Nanosil when fixing the tape on metals, plastics and stable woods.

INSTRUCTIONS FOR USE

WATERPROOFING OF CORNERS

- 1 Lay Aquastop Fix along the perimeter around the wall-floor and wall-wall corner joints: lay the sealant on the edges of the membrane in strips approximately 10 cm wide.
- 2 Position Aquastop 120 and smooth carefully.
- 3 Remove any excess Aquastop Fix that may have seeped out from under the tape, and take care to ensure the edges of the tape are fixed to the membrane. When waterproofing the wall-floor joint, lay about 5 cm of Aquastop 120 over the Aquastop 120 corner pieces.



Notes

- Do not cover the tape with the sealant, to ensure that the subsequent covering applied will be properly levelled.
- Use Biogel® Extreme® gel adhesive to bond the tape on metal, stable plastic materials and wood.

WATERPROOFING BETWEEN THE SHEETS

- 1 Seal the longitudinal joints between one sheet and the next: apply Aquastop Fix using a smooth spreader for a width of at least 10 cm on either side along the joint (gap), taking care to completely fill in the joint between the sheets.
- 2 Fix the Aquastop 120 tape on the fresh sealant.
- 3 Press down strongly and smooth to remove any wrinkles and to guarantee total sealing of Aquastop 120.
- 4 Remove any excess Aquastop Fix that may have seeped out from under the tape, and take care to ensure the edges of the tape are fixed to the membrane. During waterproofing of the wall-floor angle, bond Aquastop 120 along the angle to connect the waterproofing sheets previously bonded to wall and floor.

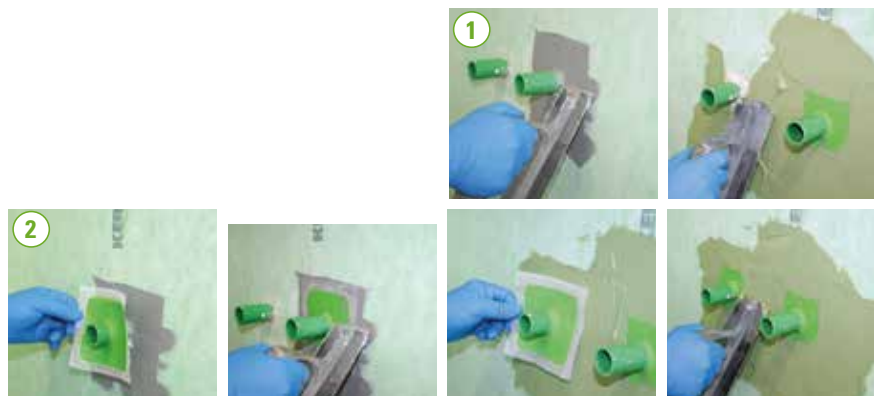


Notes

- Do not completely cover the sheet with the sealant, in order to ensure that the subsequent bonded covering will be properly level.
- Seal the entire perimeter and all the sheet-to-sheet contacts.
- Use Biogel® Extreme® when fixing the tape on metals, plastics and stable woods.

WATERPROOFING OF PIPES, MIXERS AND DRAINS

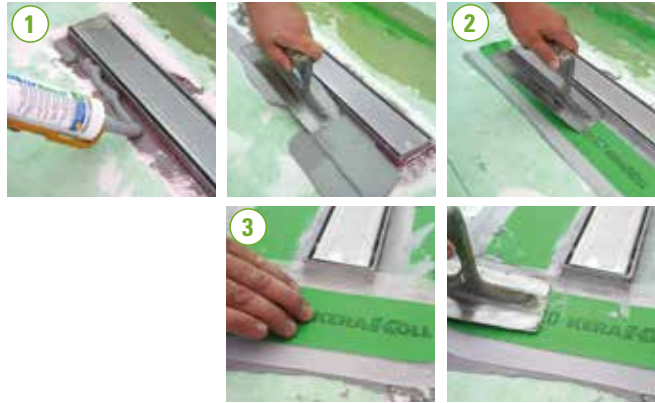
- 1 Apply Aquastop Nanosil or Aquastop Fix sealant on the edges of the membranes using a smooth spreader for a width sufficient to completely cover Aquastop 120 Flangia.
- 2 Position Aquastop 120 Flangia on the fresh sealant. Press firmly and smooth over the tape to ensure it adheres perfectly, being careful not to wrinkle it.



INSTRUCTIONS FOR USE

JOINING THE WATERPROOFING LAYER TO DRAINS

- 1 Lay Aquastop Nanosil on the connection surfaces of the drains and on the adjacent surfaces to be connected.
- 2 Position the special pieces of Aquastop 120 Flangia or Aquastop 120 cut to measure.
- 3 Press firmly and smooth over to ensure the tape seals perfectly, being careful not to wrinkle it. If necessary, use several pieces of tape until the drain has been completely sealed.



LAYING THE COVERING

- 1 Apply a first layer of Biogel® No Limits® adhesive using the smooth part of the spreader.
- 2 Adjust the thickness of the adhesive using a toothed spreader of a type suited to the size of tile. Lay the covering with open joints, leaving gaps of a minimum width of 2 to 3 mm according to the size of the tile.
- 3 Check that the entire back of the tile is impregnated, to guarantee the suitability of the adhesive system.
- 4 Grout the gaps using Fugabella® Color.
- 5 Seal the elastic joints using Silicone Color or Neutro Color.



Notes

- The laying of the covering can be carried out immediately with Biogel® No Limits® or Revolution adhesive if Aquastop Fix is used as sealant for the joints; in case Aquastop Nanosil is used as sealant, wait until it has completely hardened (24 hrs); take care not to compromise the adhesion of the fresh sealant under the sheets.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

| | |
|---|---|
| Appearance | green sheet |
| Width/length | 100 cm / 30 linear metres |
| Mass | ≈ 282 g/m ² |
| Thickness | polyethylene sheet ≈ 290 µm, total ≈ 530 µm |
| Maximum tensile strength | longitudinal ≥ 117 N/15 mm (s=3,99) trasversal ≥ 66,6 N/15 mm (s=2,76) |
| Maximum tensile dilation | longitudinal 25% trasversal 26% |
| Equivalent vapour permeability value sd | 122 m |
| Temperature range for application | between +5 °C and +30 °C |
| Working temperature | between -20 °C and +80 °C |
| Water penetration classes | W0-I – W2-I (DIN 18534) |

PERFORMANCE

| | | |
|---|---------------------------------|-----------------------------|
| VOC INDOOR AIR QUALITY (IAQ) - VOLATILE ORGANIC COMPOUND EMISSIONS | | |
| Conformity | EC 1 plus GEV-Emicode | GEV certified 9010/11.01.02 |
| HIGH-TECH | | |
| Final characteristics of the primed mesh: | | |
| - ultimate elongation - warp | average value 1,450 N/5 cm ± 1% | ISO 4606 |
| - ultimate elongation - weft | average value 1,450 N/5 cm ± 1% | ISO 4606 |

WARNING

- **Product for professional use**
- abide by any standards and national regulations
- the technical instructions required for the above mentioned products are available on the website www.kerakoll.com
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - globalservice@kerakoll.com

The Rating classifications refer to the GreenBuilding Rating® Manual 2013. This information was last updated in August 2020; please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.



KERAKOLL
The GreenBuilding Company

KERAKOLL S.p.a.
Via dell'Artigianato, 9 - 41049 Sassuolo (MO) Italy
Tel +39 0536 816 511 - Fax +39 0536 816 581
info@kerakoll.com - www.kerakoll.com