

# Aquastop Fix

One-component organic sealant for waterproof sealing with high adhesion with Aquastop tapes in the Laminate No Crack and Laminate Vapor Pro systems, ready to use, eco-friendly.

Aquastop Fix develops high waterproof adhesion of Aquastop accessories on Aquastop Green and Aquastop Fabric membranes in order to ensure the system's watertightness in a very short time and the application's durability against alkaline attacks thanks to high chemical resistance.



## Rating 5

1. Specific for waterproof sealing of Aquastop Green and Aquastop Fabric in Kerakoll Laminates
2. Suitable for subsequent laying of ceramic tiles, porcelain tiles and natural stone using mineral adhesives
3. Suitable for sealing on ceramic floors, timber, metals and plastic materials
4. High elasticity and chemical stability in basic environments
5. No longer at risk from rain in a very short time (approximately 2 hours)
6. Ready-to-use, easy-to-identify (green colour)

- ✓ Regional Mineral  $\geq 30\%$
- ✓ VOC Very Low Emission
- ✓ Solvent  $\leq 5$  g/kg
- ✓ Low Ecological Impact
- ✓ Health Care

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## What is Laminate No Crack

→ Laminate No Crack is the structural fusion of the Aquastop Green membrane and the gel adhesive. The extremely high innovative content of the Laminate No Crack system guarantees anti-cracking, waterproofing, vapour release and shear adhesion performance that definitively overcomes the critical aspects of the substrates in the bonded system.

Laminate No Crack is the anti-cracking waterproofing system with high adhesion for the immediate laying with vapour releasing of ceramic tiles and natural stone using gel adhesives on balconies, terraces, flat roofs and outdoor surfaces. It's even suitable on cracked substrates and substrates that might contain vapour pressure due to residual substrate moisture content.

Laminate No Crack is the safest waterproofing system for any surface of any size, old or new, damp or dry, cracked or subject to dimensional movements, allowing for immediate waterproofing laying at extremely high shear strength with gel adhesives, featuring any laying pattern, without respecting the joints of the substrate and eliminating the substrate chases and cracks. The presence of desolidarisation separates the floor with its relative movements (due to thermal expansion) from the substrate and, vice versa, the substrate from the floor (and its movements due to hygrometric shrinkage). This eliminates the transmission of dangerous stresses parallel to the laying surface (shear stresses).

→ Aquastop Fix is used for the Aquastop 120 sealing of perimeter joints and between adjacent sheets of Aquastop Fabric in the Laminate Vapor Pro system.

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## Areas of application

→ Intended use:

Aquastop 120 sealing in perimeter joints and between adjacent Aquastop Green sheets in the Laminate No Crack system and adjacent Aquastop Fabric sheets in the Laminate Vapor Pro system.

Substrates:

- Aquastop Green membrane and Aquastop Fabric membrane;
- plasters, finishing products, screed and mineral patches;
- cement and concrete cast on site or prefabricated, concrete blocks;

- metals (steel, copper, bronze, brass, etc.);
- plastic materials (PE, PPE, ABS, fibreglass, etc.) after sanding and removing of dust;
- wood, glass, ceramic and porcelain tiles, natural stone.

Do not use on dusty or poorly cohesive substrates; on new bituminous substrates or those exuding oil, solvents or plasticizers; on substrates that are saturated with damp or subject to continual moisture rising or to waterproof leaks in specific points; for exposed seals; for elastic sealing of movement joints; for the laying of ceramic tiles.

# Instructions for use

## → Preparation of substrates

Substrates must be compact, smooth, free of dust, oil and grease, dry and free from rising damp, with no loose debris or flaky parts that are not perfectly anchored such as residues of cement, lime and varnishes, which must be completely removed. Sand and dust down metals and plastic materials, completely remove paints, varnishes and fine finishing coats. The substrate must be stable, non-deformable and with no cracks. The elements to be sealed must first be mechanically anchored to the substrate or embedded firmly in the substrates.

## → Preparation

Aquastop Fix is ready-to-use. After opening the pack, remove the pre-formed plastic disc and place it back on the fresh product before closing the pack to allow the remaining product in the bucket to be reused.

## → Application

### - Laminate No Crack perimeter joints



- ① Apply the eco-friendly Aquastop Fix sealant on the walls and the membrane with a smooth spreader to a width of approx. 8-10 cm, taking care to fill the circular hollow ribs with Aquastop Green and fix Aquastop 120 on the wet sealant following the wall-to-floor joint.
- ② Press firmly and smooth over to ensure the tape seals perfectly, being careful not to wrinkle it.
- ③ Press the tape with the smooth spreader from the centre outwards to avoid curling the mesh. Thoroughly cover all white mesh parts with the sealant.

### - Joints between adjacent Laminate No Crack sheets



- ① Apply the eco-friendly Aquastop Fix sealant along the joints with a smooth spreader to a width of at least 8-10 centimetres per side of each joint, taking care to fill the circular hollow ribs with Aquastop Green and leave a thin continuous layer.

- ② Fix Aquastop 120 on the wet sealant, following the joint between sheets. Press firmly and smooth over to ensure the tape seals perfectly, being careful not to wrinkle it.
- ③ Press the tape with the smooth spreader from the centre outwards to avoid curling the mesh. Thoroughly cover all white mesh parts with the sealant.

The subsequent laying of the coating can be carried out immediately. If heavy rain falls on the product before it is fully hardened, carefully check the adhesion of Aquastop 120 tape.

### - Sealing and Laminate Vapor Pro perimeter joints



- ① To seal Aquastop 120 in the perimeter joints and between adjacent Aquastop Fabric sheets in the Laminate Vapor Pro system, follow the same steps as for Laminate No Crack.
- ② Join adjacent sheets of Aquastop Fabric by bonding the Aquastop 120 tape using the Aquastop Fix sealant.
- ③ Apply the eco-friendly Aquastop Fix sealant with a smooth spreader along the wall-floor angle to a width of approx. 8-10 cm and fix Aquastop 120 on the fresh sealant. Press firmly and smooth over to ensure the tape seals perfectly, being careful not to wrinkle it. Press the tape with the smooth spreader from the centre outwards to avoid curling the mesh. Thoroughly cover all white mesh parts with the sealant.

## → Cleaning

Residual traces of sealant can be cleaned using Diluente 01, eco-friendly single-component thinner with no environmental hazard rating, or using normal solvents (e.g. denatured pink alcohol, turpentine, nitro solvent).

## Special notes

→ Where it is not possible to bond the Aquastop 120 tape, due to lack of space, it is necessary to connect the waterproofing made with Aquastop Nanoflex or with Aquastop waterproofing products (after the product has hardened) or with Aquastop membranes and vertical elements using Aquastop Fix sealant (walls, undersills, drains, profiles, channels, down spouts, through elements, installations, etc.). Take good care when cleaning, applying and smoothing as waterproofing is subject to perfect joint filling between the waterproofing product and the element to be connected and to the perfect

adhesion of the sealant. Apply the sealant generously, press down for it to penetrate deeply in order to guarantee optimal adhesion and watertightness. Remove excess material and smooth with a metal or plastic spreader soaked in soapy water. A second application in order to guarantee total sealing is recommended when the first one has dried. Follow the same procedure. Aquastop Nanosil sealant can be used as an alternative to Aquastop Fix. In both cases and at floor-covering level, all seals must be covered by elastic sealing using Silicone Color or Neutro Color.

## Certificates and marks



### Technical Data compliant with Kerakoll Quality Standard

Appearance	green paste	
Shelf life	≈ 12 months from production in the original sealed packaging, protect from humidity	
Pack	6 kg buckets	
Specific weight of the mixture	≈ 1.65 kg/dm <sup>3</sup>	ISO 2811
Temperature range for application	from +5 °C to +35 °C	
Maximum thickness obtainable	≤ 5 mm	
Open time	≥ 20 min.	
Start of skin forming (bk recorder)	≈ 30 min.	ASTM D5859
Cure-rate 24 h	≈ 3.4 mm	
Elongation at break	≥ 93%	ISO 527
Waiting time before laying covering	immediate	
Protection time from direct rain	≥ 2 hrs	
Coverage*	≈ 0.6 kg/m <sup>2</sup> equal to ≈ 0.7 – 1.0 kg/m <sup>2</sup> according to the surface geometry	

\* The indicated data is an average value based on our building site experiences. May vary depending on the geometry of drains, installations, construction details, etc. Values taken at +23 °C, 50% R.H. and no ventilation.

**Performance****VOC Indoor Air Quality (IAQ)- Volatile organic compound emissions**

Conformity	EC1 plus GEV-Emicode	Cert. GEV 14178/11.01.02
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**HIGH-TECH****Shear strength in Aquastop Green's junctions with Aquastop 120:**

- air (28 days)	≥ 137 N / 50 mm	EN 12317-2
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- water (60 days)	≥ 164 N / 50 mm	EN 12317-2
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- heat (+70 °C) (90 days)	≥ 193 N / 50 mm	EN 12317-2
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watertightness	≥ 1.5 bar	EN 14891
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**Tensile strength (7 days):**

- on OSB	≥ 0.7 N/mm <sup>2</sup>	EN 12004
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- on aluminium	≥ 1.1 N/mm <sup>2</sup>	EN 12004
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- on concrete	≥ 2.0 N/mm <sup>2</sup>	EN 12004
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Values taken at +23 °C, 50% R.H. and no ventilation.

## Warning

- Product for professional use
- abide by any standards and national regulations
- do not use for exposed applications

- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service 01772 456 831 - [info@kerakoll.co.uk](mailto:info@kerakoll.co.uk)



The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in December 2022 (ref. GBR Data Report - 12.22); please note that additions and/or amendments to this information may be made over time by KERAKOLL Spa; for the latest version, see [www.kerakoll.com](http://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.