

Aquastop Flex

Two-component, elastomeric, cement-based waterproofing covering, reinforced with acrylic resin, for concrete and masonry surfaces, providing high levels of adhesion and durability of surfaces before laying with adhesives.

Aquastop Flex creates a water-resistant layer on wet areas, balconies, refuge slabs and shower cabinets.



1. Flexible and tough
2. High compatibility with cement-based adhesives
3. Internal and external floors and walls
4. High adhesion on cement based substrates
5. Recommended for wet areas
6. CFTRI Certified - safe for potable water contact
7. High adhesion to absorbent and non-absorbent substrates
8. Breathable
9. High workability
10. Suitable for overlaying

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Area of use

→ Use

Waterproofing of balconies, kitchens, saunas, turkish baths, showers, water tanks before coverings in ceramic, glass mosaic and stone materials are fixed.

Provides waterproofing against negative water pressure for shallower depths and limited areas, subject to site conditions and detailing.

Suitable for:

- cement based screeds/ concrete
- mineral screeds made using hydraulic binders such as Biocem

→ Limitations

Negative water pressure resistance does not imply suitability for deep basements, permanently submerged structures, or areas subjected to continuous or high hydrostatic pressure.

For such applications, dedicated negative-side waterproofing systems should be evaluated.

Contact the technical service of your local Kerakoll India office regarding any areas of application required not mentioned here.

Do not use on metal or wooden substrates, on bituminous coverings, to waterproof surfaces that are to be walked on and uncovered swimming pools, on lightened screeds.

Instructions for use

→ Surface preparation

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane.

Surfaces should be structurally sound. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Mechanical wire brushing may be appropriate for small areas.

When working on weakened parts, when parts of the substrate are missing and also in the case of gravel beds, the substrate must be restored with suitable repair mortars. Uneven areas must be corrected with suitable smoothing and finishing products. Any loose surface pieces and grinding dust need to be thoroughly removed.

Before application damp absorbent surfaces without letting any stagnant water.

- Clean concrete expansion joints and control joints of dust, residue or other contamination. Widen and deepen joints (cut open) if necessary. The prepared movement joint should have a depth of 10-15 mm and maximum width of 30 mm. Insert a backer rod to control the depth of joint. The width:depth ratio of the movement joint should be at a rate of approximately 2:1. Fill the joints/cracks with Silmat Color sealant. The joint treated needs to be covered and cannot be left exposed.

- Reinforce wall-floor connections, corners using cut piece of Aquastop 120 bonded with Aquastop Flex. Apply a layer of Aquastop Flex, cover with a correct cut stripe of the Aquastop 120. Press it to soak. Then saturate the Aquastop 120 with enough Aquastop Flex, until it is fully covered. For demanding applications, apply a third layer of the Aquastop Flex.

→ Repair of cracks and joints

The careful sealing of existing cracks and joints before the application is extremely important for long lasting waterproofing results.

- Clean concrete cracks and hairline cracks, of dust, residue or other contamination and fill them with Geolite Gel or polymer modified mortar (with Aquastop P6 as per recommended proportions).

→ Mixing and preparation

Aquastop Flex is prepared by adding component A to component B (preset ratio of 2:1 in the packaging). Pour component B into the bucket first. Slowly add component A while gently mixing. The two components should be mixed with a suitable low-rev electrical mixer for approximately 2 minutes until a mixture with a homogenous consistency is obtained. Pour the latex into a clean recipient and gradually add the powder during the mixing operation. Leave the mixture to rest for approximately 2 minutes to allow the co-polymer to become completely dispersed and mix again for approximately 20 seconds before use.

Instructions for use

→ Waterproofing membrane

Aquastop Flex should be applied to a previously prepared surface with a trowel or rigid brush in fibre. When waterproofing, apply the first coat and when the product has hardened apply the second coat in a direction transversal to the previous coat creating a minimum total thickness of 1 mm. Aquastop Flex layers must be laid with great care to ensure the surface is covered with optimal adhesion.

Subsequent fixing of the coating must take place at least 24 hours after application of the last adhesive coat, in the case of low temperatures and high humidity levels the waiting time before fixing must be extended.

→ Cleaning

Residual traces of the product can be removed from tools with plain water before the product has hardened.

Certificates and marks



Technical Data compliant with Kerakoll Quality Standard

Appearance	Part A light ready-mixed powder / Part B white latex
Shelf life	≈ 12 months in the original packaging in dry environment
Pack	Part A 15 kg bag / Part B 7.5 kg can monopack Part A 2 kg / Part B 1 kg
Mixing ratio	Part A : Part B = 2 : 1
Warning	liquid: protect from frost, avoid direct exposure to sunlight and sources of heat
Specific weight of mixture	≈ 1.7 kg/dm ³
Pot life	≥ 1 h
Temperature range for application	from +5 °C to +35 °C
Maximum thickness obtainable by coat	0.5 mm
Waiting time between 1 st and 2 nd coat	≤ 24 h
Waiting time before fixing	≥ 24 h
Interval before normal use	≈ 7 days / ≈ 14 days (swimming pools)
Coverage	≈ 2.0 kg/m ² in 2 coats

Values taken at +23 °C, 50% R.H. and no ventilation.

Data may vary depending on specific conditions at the building site, i.e. temperature, ventilation and absorbency level of the substrate and of the materials laid.

Performance		
VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions		
Conformity	EC 1 plus GEV-Emicode	Cert. GEV 6110/11.01.02
HIGH-TECH		
Tensile strength	1 Mpa	ASTM D 412–2016
Elongation at break	85%	ASTM D 412–2016
Crack Bridging ability	0.9 mm	EN 1062-7(A)–2004
Pull off adhesion strength	1 Mpa	ASTM D 7234–2022
Depth of water penetration at 5 bar	Nil	EN 12390–8–2019

Values taken at +23 °C, 50% R.H. and no ventilation.

Warning

- Abide by any standards and national regulations

→ do not add water, other binders or different additives to the mixture

→ protect surfaces from sunshine, wind, rain, frost and foot traffic
- if necessary, ask for the safety data sheet

→ for any other issues, contact Kerakoll Customer Care +91-22-2839 5593 / 1800 102 4957 – info@kerakollindia.com

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