

Aquastop Flex

Eco-friendly, two-component, mineral membrane for flexible waterproofing with high levels of adhesion and durability of surfaces before fixing with adhesives, ideal for use in GreenBuilding. Low CO₂ emissions, can itself be recycled as an inert material at the end of its life.

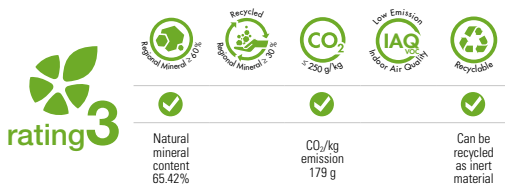
Aquastop Flex creates a water-resistant layer on balconies, terraces and shower cabinets before fixing ceramic tiles, even over existing coverings, doing away with the need for costly demolition work.



GREENBUILDING RATING®

Aquastop Flex

- Category: Inorganic mineral products
- Preparation of the substrates



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

ECO NOTES

- Can be recycled as mineral inert material, avoiding waste disposal costs and environmental impact

PRODUCT STRENGTHS

- High adhesion to absorbent and non-absorbent substrates
- High compatibility with cement-based adhesives
- High compatibility with Bioflex®
- High workability
- Floors and walls, for internal and external use
- Suitable for overlaying
- Constant Crack Bridging



AREAS OF USE

Use

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

Suitable for:

- cement-based screeds
- mineral screeds made using hydraulic binders such as Biocem
- old flooring that is dimensionally stable and anchored to a ceramic substrate
- natural stone
- concrete elements
- cement plasters and cement-based mortars

Do not use

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

Preparation of substrates

The surface must be perfectly cured and dry, solid (i.e. free of weak or easily removable parts) and free from oil, grease and paint. Check that the concrete contains no traces of parting compound. 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. On ceramic substrates all traces of surface treatments such as wax and oil must be removed. Before application damp absorbent surfaces without letting any stagnant water.

On terraces and balconies expansion joints must be provided in the surface.

For waterproofing of corners and expansion joints with Aquastop 120 applied using Aquastop Flex. For external and internal angles and for water and drainage pipeline crossings use special pre-formed pieces applied using Aquastop Flex. Waterproof the structural joints with appropriate systems and arrange for continuous waterproofing.

INSTRUCTIONS FOR USE

Preparation

Aquastop Flex is prepared by mixing component A with component B (preset ratio of 3 : 1 in the packaging). 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.

Application

Aquastop Flex should be applied to a previously prepared surface with a trowel, rigid brush in fibre or by spraying. 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 2 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.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	Part A light ready-mixed compound / Part B white latex	
Pack	Part A 15 kg bag / Part B 5 kg can	
Mixing ratio	Part A : Part B = 3:1	
Shelf life	≈ 6 months in the original packaging in dry environment	
Warning	Liquid: protect from frost, avoid direct exposure to sunlight and sources of heat	
Pot life	≥ 1 hr	
Temperature range for application	from + 5 °C to + 30 °C	
Maximum thickness obtainable by coat	≈ 3 mm	
Maximum thickness obtainable	≤ 6 mm	
Waiting time between 1 st and 2 nd coat	≤ 24 hrs	
Waiting time before fixing	≥ 24 hrs	
Interval before normal use for swimming pools and water-containment tanks	≈ 14 days	
Specific weight of mixture	≈ 1.67 kg/dm ³	UNI 7121
Coverage	≈ 1.6 kg/m ² per mm of dry thickness	

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 absorbcency level of the substrate and of the materials laid.

PERFORMANCE

HIGH-TECH

Initial adhesion	≥ 1.5 N/mm ²	EN 14891–A.6.2
Adhesion after contact with water	≥ 0.7 N/mm ²	EN 14891–A.6.3
Adhesion after heat ageing	≥ 1.3 N/mm ²	EN 14891–A.6.5
Adhesion after freeze-thaw cycles	≥ 0.7 N/mm ²	EN 14891–A.6.6
Adhesion on contact with lime water	≥ 0.8 N/mm ²	EN 14891–A.6.9
Adhesion on contact with chlorinated water	≥ 0.7 N/mm ²	EN 14891–A.6.7
Water-resistance	no penetration	EN 14891–A.7
Crack Bridging in standard conditions	≥ 0.75 mm	EN 14891–A.8.2
Crack Bridging at low temperatures (-5 °C)	≥ 0.75 mm	EN 14891–A.8.3
Conformity	CM O2P	EN 14891

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 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

The Rating classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in January 2020 (ref. GBR Data Report - 02.20); 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.