

# Aquastop Extraflex

Certified, single component, liquid applied, highly flexible and elastic polyurethane membrane. Cold applied and cold cured for waterproofing applications. Based on pure elastomeric hydrophobic polyurethane resins it ensures a long lasting waterproofing of large surfaces.

Aquastop Extraflex develops a smooth polyurethane membrane that cures by reaction with ground and air moisture & provides excellent mechanical and chemical, thermal and UV resistant properties.



## Rating 1

1. Monolithic – no laps, welds or seams
2. Tar free
3. Ease of application by brush, trowel, roller and airless spray
4. Highly resistant to water
5. Excellent adhesion to concrete
6. Resists positive water pressure
7. Resists to root penetration
8. Excellent chemical resistance
9. Excellent resistance to chloride and alkali
10. Excellent Crack Bridging ability
11. Suitable for internal and external areas

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

---

## Area of use

### → Use

Waterproofing of podiums, terraces, balconies, roofs and vehicular traffic areas. Requires covering with suitable top-coat when applied in exposed surfaces.

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

---

## Instructions for use

### → Preparation of surfaces

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

Maximum moisture content should not exceed 4%. Substrate compressive strength should be at least 25 MPa, cohesive tensile strength at least 1.5 MPa. New concrete structures need to dry for at least 28 days. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. If required, profile mechanically the surface by shot blasting, high-pressure water jetting or other suitable mechanical preparation method. Any loose surface pieces and grinding dust need to be thoroughly removed.

Temperature of the substrate should be minimum +5 °C and maximum +35 °C. The temperature of the substrate must be at least 3 °C above the current dew point temperature

### → 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). Prime locally with Aquastop Base and allow 2 - 3 hours to dry. Then apply a layer of Aquastop Extraflex, 200 mm wide centered over all cracks and while wet, cover with a correct cut stripe of the Aquastop Geofabric. Press it to soak. Then saturate the Aquastop Geofabric with enough Aquastop Extraflex, until it is fully covered. Allow 12 hours to cure.

- 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 approx. 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, chimneys and pipes using cut piece of Aquastop Geofabric bonded with Aquastop Extraflex. Prime locally with the Aquastop Base primer and allow 2 - 3 hours to dry. Then apply a layer of Aquastop Extraflex, cover with a correct cut stripe of the Aquastop Geofabric. Press it to soak. Then saturate the Aquastop Fabric with enough Aquastop Extraflex, until it is fully covered. Allow 12 hours to cure. For demanding applications, apply a third layer of the Aquastop Extraflex.

### → Priming

Prime very absorbent surfaces like concrete and cement screed with Aquastop Base. Allow the primer to cure according to its technical instruction.

### → Waterproofing membrane

Open the pail and stir well before using Aquastop Extraflex. Pour the Aquastop Extraflex onto the primed surface and lay it out by roller, brush, squeegee or airless spray until all surface is covered. After 12 - 14 hours and not more than 48 hours apply a second coat of Aquastop Extraflex.

Avoid applying Aquastop Extraflex over 0.75 to 0.80 kg per sqm coverage per layer.

### → Finishing

If the Aquastop Extraflex is applied on exposed surfaces, apply one or two layers of the color and UV stable Aquastop Protect over the Aquastop Extraflex membrane.

For queries related to top-coats application and procedures, please consult the technical service of your local Kerakoll India office.

---

## Special notes

- In case of vehicular traffic areas or high stress areas, apply Aquastop Geofabric onto the fresh applied Aquastop Extraflex first coat. After 12 - 14 hours and not more than 48 hours apply a second coat of Aquastop Extraflex.
- **Handling and precautions**  
In its cured state, Aquastop Extraflex is physiologically non-hazardous. The following protective measures should be taken when working with this material. Wear safety gloves, goggles and protective clothing. Avoid contact with the skin and eyes. In case of eye contact, seek medical attention. Avoid inhalation of fumes. When working with the product, do not eat, smoke or work near a naked flame.

For additional references to safety hazard warnings, regulations regarding transport and waste management, please refer to the relevant Material Safety Data Sheet. The regulations of the local trade association and/or other authorities regarding safety and hygiene of workers handling polyurethanes and isocyanates must be observed.

---

## Certificates and marks



**Technical Data compliant with Kerakoll Quality Standard**

Appereance	white liquid	
Chemical nature	polyurethane resin solvent based	
Shelf life	≈ 12 months in the original packaging in dry and cool room	
Packaging	25 kg metal pail	
Application temperature	from +5 °C to +35 °C	
Elongation at break	500%	ASTM D 412:2016
Tensile strength	4 N/mm <sup>2</sup>	ASTM D 412:2016
Water vapour transmission rate	> 25 g/m <sup>2</sup> /day	ASTM E 96:2016
Water permeabililty at 5 bar	nil	EN 12390-8:2019
Adhesion to concrete	≥ 1.5 N/mm <sup>2</sup> (concrete surface failure)	
Crack Bridging Ability	≥ 2 mm	EN 1062-7:2004
Hardness (shore A scale)	65 – 70	
Solid content	≥ 80%	ASTM C 836:2018
Rain stability time	≈ 3 – 4 hours	
Light pedestrian traffic	≈ 18 – 24 hours	
Final curing time	≈ 7 days	
Coverage	≈ 1.65 kg/m <sup>2</sup> to 1.8 kg/m <sup>2</sup> to have 1 mm DFT	

This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption. Values taken at +20 °C, 50% R.H.

## Warning

- Product for professional use
- abide by any standards and national regulations
- use at temperatures between +5 °C and +35 °C
- protect surfaces from direct sunlight and wind
- 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](mailto:info@kerakollindia.com)

The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in May 2024 (ref. GBR Data Report - 05.24); please note that additions and/or amendments 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.