

Aquastop Hydroflex

Certified, single component, highly flexible water based polyurethane membrane. Cold applied and cold cured for waterproofing applications of any kind of areas. Based on the innovative water-based polyurethane resin it is completely solvent-free, ideal for use in GreenBuilding.

Aquastop Hydroflex develops a soft mixture, giving a long term elastic waterproofing on old and new buildings.



GREENBUILDING RATING®



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Ease of application by brush, trowel, roller and airless spray
- Excellent thermal and UV resistance
- Excellent adhesion to surface
- Resists positive water pressure
- Excellent resistance to chloride and alkali
- Excellent Crack Bridging ability
- Suitable for exposed areas
- Suitable for internal and external areas

AREAS OF USE

Use

Waterproofing of terraces and balconies, roofs, decks, bathrooms, waterbodies areas.
Waterproofing and protection of drywall and cement-boards.

INSTRUCTIONS FOR USE

Preparation of substrates

All surfaces must be dimensionally stable according to IS 1443-1972, levelled, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents, contamination and from damp rising.

Following points should be noted:

- maximum moisture content should not exceed 8%
- substrate compressive strength should be at least 20 MPa.

The existing cracks on the surface must be sealed before the membrane application. Clean the cracks of dust and other loose particles and fill them with GeoLite® Gel. Apply on the surface around the cracks Aquastop Hydroflex and cover with a cut stripe of Aquastop Geofabric pressing well. Then cover it with Aquastop Hydroflex. Allow to cure.

Screed fractionizing joints must be clean of dust, and other loose particles if any. If necessary cut open the joints, to a depth of 10-15 mm, width : depth ratio of 2 : 1. Fill the cracks with Fugabella® PU 40.

For treatment of expansion joints refer to Aquastop Geofabric datasheet.

Priming

Very absorbent surfaces like concrete and cement screed must be primed with Aquastop Hydroflex diluted with clean water up to 30% maximum. Low absorbent surfaces like metal, ceramic tiles or old coating must be primed with EP21.

Preparation

Open the pail and stir well before using Aquastop Hydroflex.

Application

Reinforce wall-floor connections, corners, chimneys and pipes using cut piece of Aquastop Geofabric bonded with Aquastop Hydroflex. Pour Aquastop Hydroflex onto the previously primed surface and spread evenly until all the surface is covered. After 18-36 hours apply a second coat of Aquastop Hydroflex.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	white paste	
Chemical nature	water based polyurethane resin	
Shelf life	≈ 18 months in the original packaging in dry and cool room	
Packaging	25 kg pail	
Application temperature	-5° C – +35° C	
Elongation at break	> 400 %	ASTM 412 / DIN 52455
Tensile Strength	> 1.5 N/mm ²	ASTM 412 / DIN 52455
Water vapour transmission rate	> 15 g/m ² /day	ISO 9932:91
Water vapour permeability coefficient (μ)	≈ 2390	EN ISO 7783-1
Adhesion to concrete	≥ 1.2 N/mm ² (concrete surface failure)	ASTM D903
Crack Bridging Ability	≥ 2 mm	EOTA TR-008
Hardness (shore A scale)	60	ASTM D 2240 (15")
Solid content	≥ 60%	
Working temperature	-20° C to 80° C	
Rain Stability Time	≈ 6 hrs	
Light pedestrian traffic	≈ 18 hours	
Final curing time	≈ 7 days	
Coverage	≈ 2.3 kg/m ² 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

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.

KERAKOLL
The GreenBuilding Company

M/S. Kerakoll India Pvt. Ltd.
Office No. 202, A-Wing, Business Square
Solitaire Park, Opp Apple Heritage,
Andheri Kurla Road, Chakala Andheri (E),
Mumbai-400 093, Maharashtra, India.
Kerakoll India Customer Care
+91-22-2839 5593 / (Toll Free) 1800 102 4957
info@kerakollindia.com - www.kerakoll.com