Aquastop Extraflex

Certified, single component, highly flexible polyurethane membrane. Cold applied and cold cured for waterproofing applications, ideal for use in GreenBuilding. Based on pure elastomeric hydrophobic polyurethane resins it ensures a longlasting waterproofing of large surfaces.

Aquastop Extraflex develops a smooth polyurethane membrane, with excellent mechanical, chemical, thermal and UV resistance properties.

CE EN 14891 — TYPE CHARACTERISTICS RM O2P EN 14891 STANDARD — CONTRIBUTES TO LEED POINTS

GREENBUILDING RATING®

rating 1

Regional Mineral ≥ 30 % — Low Emission IAQ VOC Indoor Air Quality — SLV REDUCED Solvent ≤ 5 g/kg — Low Ecological Impact — Health Care

No environmental hazard rating

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

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

AREAS OF USE

Use
Waterproofing of podiums, terraces, balconies, roofs, bathrooms, waterbodies and vehicular traffic areas. Waterproofing overlaying of bitumen felts and acrylic coatings.

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 5%
- 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 Extraflex and cover with a cut stripe of Aquastop Geofabric pressing well. Then cover it with Aquastop Extraflex. 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 data sheet.

Priming
Very absorbent surfaces like concrete and cement screed must be primed with Aquastop Base. Low absorbent surfaces like metal, ceramic tiles, old coating or bitumen felts must be primed with EP21.

Preparation
Open the pail and stir well before using Aquastop Extraflex.

Application
Reinforce wall-floor connections, corners, chimneys and pipes using cut piece of Aquastop Geofabric bonded with Aquastop Extraflex. Pour Aquastop Extraflex onto the previously primed surface and spread evenly until all the surface is covered. After 12-14 hours and not more than 48 hours apply a second coat of Aquastop Extraflex.

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SPECIAL NOTES

In case of vehicular traffic 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.
In case Aquastop Extraflex is applied in exposed areas, apply Aquastop Protect over it after the second coat is dry.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appereance	white paste	
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	-5 °C – +35 °C	
Elongation at break	> 600%	ASTM 412 / DIN 52455
Tensile strength	> 4 N/mm²	ASTM 412 / DIN 52455
Water vapour transmission rate	> 25 g/m²/day	ISO 9932:91
Water vapour permeability coefficient (μ)	≈ 1830	EN ISO 7783-1
Adhesion to concrete	≥ 2 N/mm² (concrete surface failure)	ASTM D903
Crack Bridging Ability	≥ 2 mm	EOTA TR-008
Hardness (shore A scale)	65 – 70	ASTM D 2240 (15")
Solid content	≥ 80%	
Working temperature	-30° C to +90° C	
Rain stability time	≈ 3 – 4 hrs	
Light pedestrian traffic	≈ 18 – 24 hours	
Final curing time	≈ 7 days	
Coverage	≈ 1.8 kg/m² 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 +30 °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

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