

ACRIFLEX ANTI-ROOT

Elastic liquid waterproofing membrane anti-root

Liquid, two-component waterproofing membrane, water-based, formulated with acrylic resin and cement, to use even at low temperatures.

The product is anti-root, suitable for roof garden, green roof and flower boxes. Resistant to water stagnation, UV-rays, low and high temperatures and continuous freeze-thaw cycles. Suitable to waterproof terraces, flat roofs, pedestrian surfaces, parking areas, swimming pools, basins, cisterns, foundations, flashings, expansion joints and to restore old bituminous membranes (in combination with **SBS-bond** primer).

BENEFITS

- Anti-root.
- Easy and quick application.
- High tensile strength.
- Excellent elasticity.
- It allows to waterproof applying low thickness layers.
- It can be applied over existing flooring (with *Grip Primer*).
- Effective over damaged surfaces.
- It can be made walkable using *Floorgum Paint*, or suitable for vehicles transit using *Floorgum Tyre Mono* (see technical data sheet).
- It can be coated with Diasen coatings.
- It can be applied even during winter season (from +5°C).
- Once completely dry (from 30 to 180 minutes), it becomes rainproof.

APPLICATION FIELDS

Waterproofing with remarkable anti-root properties, usable for roof garden, green roof and flower boxes, terraces, flat or slope roofs in combination with *Polites* (integrated system); expansion joints in combination with *Safety Joint Top*; waterproofing of flashings, foundations, tanks and restoration of old bituminous membranes in combination with *SBS-bond*. Ideal for vertical application of foundations in presence of underground water (see *Bentotelo* and *Diasen Bentonite products*).

YIELD

kg/m² 2 (on surfaces without mesh).

kg/m² 2,2 (integrated system with *Polites* mesh).

COLOUR

Grey.

PACKAGING

25 Kg bucket containing two separated components.

Part A (resins) = kg 17 + Part B (cement) = kg 8.

Pallet: 48 buckets (1200 kg).

STORAGE

Store the product in well ventilated areas, away from sunlight and ice, at temperatures between +5°C and +35°C.

Storage time: 24 months.

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Technical Data				
Features			Units	
Yield	2 (on surfaces without mesh) 2,2 (integrated system with Polites mesh)		kg/m ²	
Aspect	Semidense		-	
Colour	Grey		-	
Mixture consistency	liquid		-	
Pot life at 20°C, R.H. 40%	24 - 30		hours	
Waiting time between 1a and 2a coat (T=20°C; R.H. 40%)	4		hours	
Application temperature	+5 /+35		°C	
Storage	24 months in original container and in dry places		months	
Packaging	1 bucket containing Parte A = kg 17 + parte B = kg 8 Total 25		kg	
Final performances		Units	Regulations	Results
Waterproofing	9,5	atm	UNI EN 12390-8	waterproofing
Break Elongation	366%	-	ISO EN 527-3; ETAG 005 part 8	elastic
Elongation after 1000 hours of weathering test	210%	-	-	elastic
Crack Bridging Ability	3,2	mm	-	resistant
Tensile Strenght	2,37 MPas	MPas	ASTM D2370	resistant
Weathering Test	1000	hours	UNI 11507:2007	resistant
UV rays resistance (direct exposure)	1000 hours without remarkable changes	hours	UNI EN ISO 11507:2007	resistant

Waterproofing - Liquid

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Therefore, before using this product, we recommend in any case to perform preliminary tests with the purpose of verifying the complete suitability for the intended use. In case of uncertainties and doubts contact our technical office. This sheet supersedes any other previously released.

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Final performances		Units	Regulations	Results
After 50 freeze-thaw cycles (-15°C/+15°C)	unchanged	-	UNI EN 202	unchanged
Flexibility at low temperatures	-34	°C	-	flexible
Punching resistance	kg 7 = 68,7 N	kg – N	ASTM D4833	resistant
Adhesion test with Grip Primer	650	N/m	-	-

APPLICATION

1. Accurately clean the surface. If the support is slightly wet, prim with *WATstop* as steam barrier (yield: 0,6 kg/m²).
2. After the treatment of joints and the preparation of the support, waterproof vertical joints using *Safety-Joint Roll* or *Safety Joint Top* (see technical data sheets) and structural joints using *Safety Joint Top*.
3. Perfectly mix the two component of *Acriflex Anti-Root*. If necessary dilute the first coat of product with 5-10% of water: add water directly on part A before mixing with part B to allow the product to penetrate well into the screed. Apply the product by brush or roll.
4. When the first coat of product is dry, apply a second one (dilute part A with 1-2% of water before mixing with part B) taking care to completely cover the surface.
5. In case of waterproofing of flower boxes and/or roof gardens, once the second coat of *Acriflex Anti-Root* is dry lay *DRENO 1* before filling in.

SUGGESTIONS

- Do not apply at temperatures lower than +5°C or higher than +35°C.
- In presence of existing bituminous membranes, their removal can be avoided applying *SBS-bond* and then *Acriflex Anti-root*.
- The surface must not be wet.
- Do not add to *Acriflex Anti-root* any other type of cement.
- For the durability of the product it is advisable to apply tiles over *Acriflex Winter*, or to make it walkable using resin coatings (see *Floorgum Paint*).
- Do not apply with imminent threat of rainwater or ice, with strong fog or with relative humidity level higher than 70%.

CLEANING

Wash tools with water before product hardening.

SAFETY

For the handling, see product safety sheet.