

LIQUID WATERPROOFING SYSTEMS

ACRIFLEX MONO

Coloured one-component liquid waterproofing

One component liquid waterproofing ready to use, applicable both inside and outside, to vertical and horizontal surfaces. Elastic and extremely flexible, it is available in several colours and it can be coated with traditional tiles. Suitable to waterproof kitchens, bathrooms, shower boxes and any wet areas.

BENEFITS

- Easy and quick application in 2 coats.
- Excellent elasticity.
- It allows to waterproof applying low thickness layers.
- It can be applied over existing flooring (with *Grip Primer*).
- Excellent adhesion to concrete structures or bricks.
- Tiles can be glued directly over *Acriflex Mono* using a suitable glue.
- It can be made walkable using *Floorgum Paint* (see technical data sheet).
- It can be coated with *Diasen* coatings.
- It can be applied even during winter season (from +5°C - +41°F).
- Ageing resistant.
- Solvent free product.

APPLICATION FIELDS

Suitable to waterproof:

- wet areas;
- kitchens;
- bathrooms;
- shower boxes;
- balconies;
- terraces;
- flashings;
- horizontal surfaces with a minimum slope for water flow;
- vertical surfaces;
- cement structures.

Acriflex Mono can be coated with tiles or synthetic coatings (*Floorgum Paint*, *Epokoat* range, *Polikoat*) to protect it and improve its durability.

YIELD

2,0 kg/m².

COLOUR

White, grey, red and green.

PACKAGING

5 kg or 15 kg plastic bucket.

Pallet:

- 5 kg – 20 boxes (4 pieces each – 400 kg);
- 25 kg – 48 buckets (1200 kg).

STORAGE

Product should be stored in the original packing perfectly closed, in well ventilated areas, away from sunlight and ice, at temperatures between +5°C (+41°F) and +35°C (+95°F).

Storage time: 12 months.



For application videos, product page, safety data sheets and other information.

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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Technical Data

Features		Unit
Yield	2,0	kg/m ²
Aspect	semidense	-
Colour	white, grey, red, green	-
Addition of water – first coat	5%	-
Mixture consistency	liquid	-
Waiting time between 1a and 2a coat (T=20°C; R.H. 40%)	4	hours
Application temperature	+5 /+35 +41/+95	°C °F
Drying time (T=20°C; R.H. 40%)	4	hours
Storage	12 months in original container and in dry places	months
Packaging	5 o 25 kg plastic bucket	kg

Final performances		Unit	Regulation	Result
Waterproofing	1,50	atm	UNI EN 12390-8	waterproof
	1.52	bar		
	22.04	psi		
Break elongation after 7 days from application	300%	-	ASTM D638	elastic
Crack Bridging Ability	2,5	mm	ASTM C1305	resistant
	0.13	in		
Punching resistance	7 kg = 68,7 N	kg - N	UNI 8202-11	good
	15.44	lbf	ASTM D4833	-
Weathering Test	2000 (> 10 years)	hours	ISO 11507 ASTM D4587	-
	1000 (> 5 years)	hours	UNI EN ISO 11507 ASTM D4587	-
Adhesion Aquabond + Acriflex Mono to plasterboard Pull Off Adhesion Tester	2,0	N/mm ²	UNI EN ISO 4624	good
	290.08	lbf/in ²	ASTM D4541	-

* 1680 hours of Weathering Test are compared to 10 years. This equivalency is merely indicative and may vary according to weather conditions of the place of use of the product. The above data, even if carried out according to regulated test methods are indicative and may change varying the specific site conditions.

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PREPARATION OF SUPPORT

- The support must be completely hardened, dry and resistant enough.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts and it must have the right slopes for water flow.
- Substrate temperature must be between +5°C (+41°F) and +35°C (+95°F).
- In presence of new realised cement substrate, this must be sufficiently dry and cured.
- Old ceramic pavements must be attached to the substrate and must not present on the surface any detaching parts such as greases, oils, waxes, chemical products, etc.
- In those case where the surface is crumbly it is advisable to completely remove it until obtaining a good support.

MIXING

If necessary dilute *Acriflex Mono* with at max 5% of clean water. Mix the product well to obtain a homogeneous mixture, without clots. Use a professional mixing drill with high power and high rpm.

The water indicated on the package is an indicative value. It is possible to obtain a more or less fluid mixture depending on the needed application. Never add anti frost products, cement or aggregates.

APPLICATION

3. If there are joints, seal them using *Diaseal Strong* (see technical data sheet).
4. If there are humidity problems apply *WATstop* as steam barrier (yield: 0,6 kg/m², see technical data sheet).
5. Without humidity, to smooth concrete surfaces or to already paved surfaces apply *Grip Primer* and wait until it is completely dry (see technical data sheet).
6. After the treatment of joints and the preparation of the support (see points 2 and 3), waterproof vertical joints using *Safety-Joint Roll* or *Safety Joint Top* (see technical data sheets) and structural joints using *Safety Joint Top*.

1. After the waterproofing of vertical and structural joints has been done, accurately clean the surface and apply *Acriflex Mono* by brush, roll, airless or water squeegee. In case of rain on a non perfect dry product, carefully check the suitability of the next covering.
2. When the first coat of *Acriflex Mono* is dry, remove the potential superficial condensation and apply a second coat taking care to completely cover the net, avoiding to leave holes.

DRYING TIME

At 20°C (+68°F) and 40% of relative humidity level, the product drying time is 4 hours.

- Drying time is influenced by relative humidity level and by temperature and may change significantly.
- Once the product is dry, it is possible to apply tiles.

SUGGESTIONS

- Do not apply at temperatures lower than +5°C (+41°F) or higher than +35°C (+95°F).
- If applied outside, during summer season apply the product during the cooler hours of the day, away from sun.
- Do not apply with imminent threat of rainwater or ice, with strong fog or with relative humidity level higher than 70%.
- Do not use to restore old bituminous membranes.
- Avoid water ponding over dry product.

CLEANING

Wash tools with water before product hardening.

SAFETY

For the handling, see product safety sheet.

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