

ACRIFLEX MONO

One-component liquid waterproofing

One-component water-based liquid waterproofing, ready to use; it can be left at sight and it is available in different colours. Suitable to waterproof concrete surfaces, bituminous and slated membranes, tiled surfaces, wood or metal surfaces and brick masonry.

BENEFITS

- It allows to waterproof applying low thickness layers.
- Elastic even at low temperatures.
- It is able to suit to the geometry of the support that must be treated with the waterproofing, creating a continuous layer.
- It is walkable for normal maintenance works.
- It resists to UV rays, to weathering agents, to industrial and marine environments.
- Solvent free product.

APPLICATION FIELDS

Product suitable to waterproof roofs, terraces, balconies and horizontal concrete surfaces: foundations, flashings, waterspouts, eaves, chimneys, roof structures, walls and façades.

Acriflex Mono can be used to waterproof smooth bituminous membranes or oxidised slated membranes in combination with the primers *Eposint* and *SBS-bond* (see technical data sheet) in relation to the conditions of the membrane itself.

The product can also be applied on non absorbent surfaces (tiles, metal etc.) after the application of *Grip Primer* (see technical data sheet).

Acriflex Mono is also suitable to waterproof wooden surfaces.

COLOUR

White, grey and red.

YIELD

2.0 kg/m² in 2 coats.

PACKAGING

5 or 18 kg plastic bucket.

Pallet: - 5 kg buckets – 20 boxes (4 pieces each – 400 kg);

- 18 kg bucket – 48 buckets (864 kg).

STORAGE

Store the product in its original and closed containers, in well ventilated areas, away from sunlight, water and frost, at temperatures between +5°C (41°F) and +35°C (95°F).

Storage time: 12 Months.

PREPARATION OF SUPPORT

The substrate must be completely hardened and resistant enough. The surface must be thoroughly clean, dry, without oils, greases, debris or detaching parts or other materials that may compromise the product adhesion.

If the surface is crumbly in its entirety, scrap it until obtaining a good support and restore lesions and damaged parts with suitable mortar.

Potential humidity in the support and the vapour caused by radiation may compromise the adhesion of the applied products.

In case of hydro-cleaning, wait for the complete drying of the support.



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

Waterproofing – Liquid

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

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Technical data

Features		Unit
Yield	2.0 kg/m ² in 2 coats	kg/m ²
Aspect	Semi-dense	-
Colour	White, grey, red	-
Mixing water	If necessary 5%	-
Minimum thickness	1.5	mm
Waiting time between 1 st and 2 nd coat (T=23°C/73.4°F; R.H. 50%)	4	Hours
Application temperature	+5 /+35 +41/+95	°C °F
Drying time	4	Hours
Storage	12	Months
Packaging	5 or 18 kg plastic bucket	kg

Final performances		Unit	Regulation	Result
Water impermeability	1.5	atm	EN 12390-8	-

Break Elongation Test 170 ± 10 % ISO 527-1 -

The above data, even if carried out according to regulated tests, are approximate and they may change when specific building site conditions vary.

Concrete

In case of new realised cement substrate, this must be sufficiently cured.

In presence of lesions, holes or irregular areas, restore them with suitable cement mortar.

For a better adhesion on smooth and not absorbent concrete, it is recommended the use of *Grip Primer* (see technical data sheet).

On moist supports, in order to avoid blistering or detaching phenomena, use *Vapostop* (see technical data sheet) as primer.

If the support is subjected to rising damp, it is necessary the use of *WATstop* (see technical data sheet). *WATstop* can also be used to fill small cracks.

On rough supports, it is recommended the use of the primer *Vapostop* (see technical data sheet).

Slated or bituminous membrane

Verify that the membrane has been applied for at least 6 months to avoid detachments caused by the release of oils.

Make sure that the overlaps are well bonded, in case of detachments, weld them again with hot systems.

Restore potential cuts or holes, if present.

Thoroughly clean the membrane by removing potential varnishes or protective layers not well bonded.

Expect the installation of ventilation shafts placed on the membrane according to the humidity of the substrate.

This measure is necessary in case of very absorbent supports which hold moisture, like lightened screeds with expanded clay or polystyrene.

Old membranes or membranes treated with varnishes bonded to the support must be treated with the primer *Eposint* (see technical data sheet).

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In all other cases use the primer *SBS-bond* (see technical data sheet).

In case of damaged membrane, restore it with sandwich system (*Acriflex Mono + Polites TNT + Acriflex Mono*) after having treated the surface with the primer. The sandwich system must be used in correspondence of overlaps and where the membrane is more stressed.

Smooth or tiled surfaces

Old floorings must be well attached to the support (otherwise restore them and fill with cement mortar) and do not show on the surface traces of detaching substances like greases, oils or chemicals.

After having cleaned the support, the surface must be treated with *Grip Primer* (see technical data sheet).

To fill joints between tiles and to create a perfectly levelled surface, apply the product *WATstop* (see technical data sheet). *WATstop* must be used even if the support is moist or affected by rising damp.

According to the wide range of tiles on the market, it is recommended to perform a test to verify the perfect adhesion of the system.

Masonry

If necessary, clean the surface with brushing.

Control the condition of the masonry; restore damaged or not well attached bricks or stones.

On supports that must be regularised, use a filling mortar.

Metal

Perfectly clean the surface by removing the dirt and potential varnishes not well attached.

Before the application of *Acriflex Mono*, treat the metal surfaces with the primer *Grip Primer* (see technical data sheet).

In presence of rust, before the application of *Grip Primer*, treat the surface with the anti-rust *Rust Converter* (see technical data sheet).

If the metal surface is painted, it is recommended to perform a test to verify the perfect adhesion of the system.

Wood

Carefully clean the surface by removing dust and detaching parts. The wood must be completely dry, well resistant and stable.

On not treated wood, the product can directly be applied.

In all other cases, perform a preliminary test to verify the adhesion.

On wooden supports, matchboarding or on supports with many joints, reinforce *Acriflex Mono* with the sandwich system (*Acriflex Mono + Polites TNT + Acriflex Mono*).

For supports not mentioned in technical data sheet, please contact Diasen technical department.

Treatment of expansion joints and connections

Expansion, control or insulation joints must be treated before the application of the waterproofing.

Joints must be sealed with the polyurethane sealant *Diaseal Strong* (see technical data sheet).

In the corner wall – floor it will be created a cove base, with the same product *Diaseal Strong*. When the sealant is dry, connections points must be waterproofed with the tape *Safety Joint Roll* (see technical data sheet) impregnated with *Acriflex Mono*, applied by brush creating a tank effect.

Treat points in contact with doorsteps or with windows with the sealant *Diaseal Strong*.

MIXING

Acriflex Mono is ready to use; before the application, it is recommended to mix it in order to make it homogeneous. In extremely hot climatic conditions, it is possible to add 5% of clean water and keep mixing.

Do not add other substance to the product.

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APPLICATION

1. Wait for the complete drying of the primer used and apply a first coat of *Acriflex Mono* by roll, smooth steel trowel, rubber spatula, squeegee, airless machine or brush.
2. When the first coat is dry, apply a second one to cross, completely covering the surface. In case of rain over not completely dry product, carefully verify the suitability of the next covering.
3. Continue with the application in successive layers until reaching the expected yield and a minimum total thickness of 1.5 mm to guarantee the waterproofing.

DRYING TIME

At a temperature of 23°C (73.4°F) and 50% relative humidity, the product dries in about 4 hours.

- Drying time is influenced by environmental relative humidity and by temperature and it may significantly change.
- If applied with a higher yield than the expected one, drying time can significantly increase.

SUGGESTIONS

- Do not apply at environmental temperature or at support temperature lower than +5°C (41°F) and higher than +35°C (95°F).
- During summer season apply the product in the cooler hours of the day, away from sunlight.
- Do not apply with imminent threat of rain or ice, in conditions of strong fog or with relative humidity level higher than 70%.
- If applied on horizontal surfaces, it is recommended to verify that the support has suitable slope for water down flow.
- It is important to perform, at regular intervals, appropriate expansion joints on the screed.
- Before the product application, it is recommended to cover each element that will not be coated.
- Protect the product from pouring rain until complete drying.

CLEANING

Wash tools with water before product hardening.

SAFETY

While handling, always use personal protective equipment and respect the instructions described in product safety data sheet.

Waterproofing –
Liquid

