

BETOPAINT 91 FIBRAS

Elastic coating with fibres for waterproofing roofs.

BETOPAINT 91 FIBRAS is a coating based on acrylic resin in aqueous dispersion, fibres and special binders, which once dry forms an impermeable, continuous, flexible and elastic membrane, for applying to roofs and terraces. It complies with the requirements of standard EN 1504-2.

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FIELDS OF APPLICATION

- Waterproofing all kinds of roofs and terraces.
- Treating and waterproofing joints in chimneys, chimney breast plates, etc.
- Waterproofing and restoring fissures in façades.
- Treating and waterproofing façade and chimney joints.
- Protecting and repairing roof tiles, fibre cement roofs and guttering.
- Protection of projected thermal polyurethane foam insulation from UV rays.

PROPERTIES

- Impermeable to water and permeable to water vapour.
- Applicable horizontally and vertically, indoors and outdoors.
- High adhesion strength to a large number of substrates without the need for a bonding primer, such as concrete, brick, fibre cement, mortar, wood, iron, aluminium, zinc, brick tiles, etc.
- Their high elasticity allows for small expansion and contraction movements by the substrate.
- It forms a continuous coating without joints or overlaps, completely adhered to the substrate.
- Very quick and easy to apply.
- Anti-carbonation protection for concrete, prevents rebar corrosion from carbonation processes.
- Great durability, unaltered by atmospheric agents, and resistant to UV rays and with effect fungicide.
- Decorative finish.
- Environmentally friendly: water based and solvent-free. It is non-toxic and nonflammable.

HOW TO USE

Preparing the substrate:

The substrates must be firm, clean and dry, and free of any loose particles, oils, grease, dust, release agent remains or any other substance that can affect adhesion strength. Irregularities or surface damage to the substrate must be treated beforehand so as to provide a surface with as regular, smooth and even a finish as possible, which helps to distribute and cover with the membrane.

Any possible cracks and fissures must be sealed before applying the product membrane.

Expansion joints must be prepared and treated with **BETOFLEX** systems.

Mixing:

BETOPAINT 91 FIBRAS is available, ready for use. Stir the product with a clean, dry tool until it is perfectly smooth, and leave it to stand a few minutes to help remove any trapped air.

Primer:

On porous substrates it is advisable to apply a first layer of the actual product, using a short-haired roller, diluted between 10 and 20 % with water. Leave to dry for approximately 12 hours.

Application:

Apply in successive layers until the necessary thickness is obtained, at least in three layers.

On roofs and patios, after priming, apply a first layer with a gun, roller, brush or toothed trowel, using approximately 1.5 kg/m². Once this first layer is dry, a second layer must be applied with an amount of 1 kg/m². It may be necessary to apply a last layer to guarantee the envisaged thickness.

If the application requires greater mechanical resistance, a reinforcement geotextile **BETOFIBER POLIESTER** must be added between the two first layers.

Tool cleaning:

The tools are to be cleaned as soon as they have been used, with water only. Once hardened, it can only be removed mechanically.

COVERAGE

For waterproofing terraces and roofs, at least two layers (apart from the primer) are to be applied, using a minimum amount of 2 kg/m² overall.

If waterproofing façades or vertical facings, a minimum application must be applied of 1 kg/m².

PACKAGING

5 and 20 kg cans.

Colours: White, grey, brick red and ruby red.

STORAGE

24 months, in its original closed packaging, in a cool, covered place, protected from humidity and sunlight and at a temperature between +5 °C and +35 °C.

INDICATIONS TO TAKE INTO CONSIDERATION

- It is advisable to apply the product at temperatures between +5 °C and +35 °C, and also to avoid using it in adverse weather conditions.
- The humidity on the substrate must not exceed 6 %.
- Concrete structures must be left to harden for 28 days before applying the membrane.
- Not suitable for use on flat roofs.
- Not suitable for areas that are continually waterlogged or permanently immersed.
- Not suitable for applying under floor slabs, or under ceramic tiles.
- It is not advisable for areas with frequent traffic.
- It is impermeable in contact with water not subject to pressure.

TECHNICAL DATA

Product base	Acrylic copolymers in aqueous dispersion
Density	1.4 ± 0.1 g/cm³
Content in solids	65 ± 5 %
Elongation at break	200 %
Application temperature	+5 °C to +35 °C
Time it takes to feel dry	3 hours
Repainting time	12 hours

CE MARKING



EN 1504 - 2

Product for surface protection - Coating
C - (PI) (MC) (IR)

CO ₂ permeability	S _D > 50 m
Water vapour permeability	Class I: S _D < 5 m
Capillary absorption	< 0.1 kg/m² · h ^{0.5}
Adhesion	≥ 0.8 N/mm²
Behaviour after artificial ageing, UV radiation and humidity, 2000 hours	Without defects
Emission of hazardous substances	See SDS
Reaction to fire	NPD

HEALTH AND SAFETY

All the information about conditions of usage, use, storage, transport and removing chemical waste is available on the product Safety Data Sheet.

The product and its packaging must be disposed of according to current legislation and it is the responsibility of the product end user.

LEGAL NOTICE

The data contained in this document are based on our experience and technical knowledge, gained during laboratory assays, and our bibliography. We will not be responsible for any other product applications not indicated in this file. The dosage and consumption data are only guidelines, based on our experience, and may alter due to atmospheric or on-site conditions. For correct dosage and usage amounts, it is necessary to conduct a trial or assay "in situ", for which the client is responsible. If you have any doubts or require additional information, please contact our Technical department. December 2016.