



ROOFING

ROOFLEX - ROOFLEX FR

FIBRE-REINFORCED LIQUID WATERPROOFING
MEMBRANES SUITABLE FOR COVERINGS

Technical data sheet

Description

Occasionally walkable continuous waterproofing liquid membrane based on water dispersed polymers with high resistance to atmospheric agents, ageing and UV rays, providing excellent chemico-physical properties, high hiding power, excellent adhesion and high protection against aggressive atmospheric agents.

ROOFLEX FR version consists of a membrane reinforced with synthetic fibres providing a diffused reinforcement capable of withstanding mechanical deformations without using additional reinforcing fabric.

Fields of application

Suitable for continuous seamless waterproofing of flat or sloped roofs or coverings of various nature.

Suitable as a protection layer for slated waterproofing bituminous membranes which not only provides protection against UV rays, but also helps solidify grit, increasing its "useful life".

It provides excellent adhesion to a wide range of surfaces, such as concrete, wooden, fibre cement and metal surfaces.

Specially suitable for the waterproofing and protection of spray polyurethane foam.

Laying instructions

ROOFLEX products can be applied by roller, brush or airless sprayer, while **ROOFLEX FR** products can be applied by brush, broom or trowel (condition in which it is possible to achieve the best fiber distribution).

It should be laid on perfectly smooth, clean and dry surfaces free of dust in order to avoid bubble formation.

In order to ensure optimal polymerization of different product layers, it is advisable to apply multiple subsequent coats of product in pure form, do not apply more than 1 Kg/m² of product for each coat. If it is necessary to establish connections with elevation elements or between horizontal and vertical planes, it is possible to use **VELAJOINT** or a special **VELASET** fabric placed between one coat and another if you need additional reinforcement.

Wait approximately 6-8 hours (product drying) between one coat and another. The drying rate of each coat depends on moisture content and temperature.

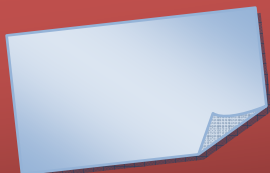
Consumption

Approximately 2 Kg\m² of product applied in several coats.

Performance

- ✓ Dry film cold flexibility -10°C
- ✓ Excellent resistance to atmospheric agents
- ✓ Suitable for coverings
- ✓ High efficiency and workability





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Warning

Do not apply at a temperature below + 5°C or higher than + 35°C, always considering either environmental or substrate temperature. The product should not be applied outdoors **in the presence of persistent fog or in case of imminent risk of rain** which may wash it away, ensuring that climatic conditions remain unchanged even 72 hours after application.

Check the presence of any surface condensation (**dew point**) which may affect product characteristics. Checks should be carried out even before applying the second coat.

It's a single-component ready to use product which should not be diluted. Before application, shake it slowly only if necessary.

Do not apply to recently laid bituminous membranes, since the migration of light substances contained in bituminous mixes may cause coating detachment and colour alteration. For smooth oxidized membranes in good condition or in the presence of residues of ancient coatings, the surface should be previously cleaned with a high pressure washer before applying the product. For damaged or highly deteriorated membranes, please contact our technical department asking for support.

The surface should have a 3 percent minimum slope. In summer, at the highest irradiance levels, it is advisable to apply multiple low thickness layers in order to avoid abnormal product drying.

Chemico-physical properties

Parameter	Value	Measurement unit	Tolerance	Test method
APPEARANCE	Pasty product	-	-	-
COLOUR	grey, red, white, green	-	-	-
DILUTION RATE	Ready to use	-	-	-
DRY RESIDUE	60	%	± 5	UNI EN ISO 3251
SPECIFIC WEIGHT	1,35	Kg/l	± 0,05	UNI EN ISO 2811-1
BROOKFIELD VISCOSITY (20 RPM, Gir. n°5, 20 °C)	9500	Cps	± 2000	-
pH (25°C)	8,5	-	± 0,5	-
COLD FLEXIBILITY	-10	°C	-	UNI 1109
TENSILE STRENGTH L/T **	120	N/50mm	± 20%	UNI EN 12311-1
ELONGATION AT BREAK**	25	%	± 20%	UNI EN 12311-1
RAIN-FREE DRYING TIME *	6/8	hours	-	-
WAITING TIME BEFORE APPLYING A SUBSEQUENT OVERLAPPING LAYER *	24	hours	-	-
TIME REQUIRED FOR COMPLETE DRYING	72	hours	-	-
DRY FILM THICKNESS (2kg/m ² of product)	1,4	Mm	-	-

* Test conditions: at a temperature of 23±2°C, 50±5% R.H. The data indicated above may change depending on building site conditions, including temperature, moisture, ventilation, substrate absorption.

** For ROOFLEX FR, the data indicated in the table are subject to a 15 % increase

Packaging and storage

Products packed in 1, 5, 10 and 18 Kg buckets to be stored in sheltered areas at a temperature not below + 5 °C or not higher than + 35°C. **IT FEARS THE FROST.** It must be used within one year of the purchase date.

The above-mentioned values can be subject to update or change. IIVELA S.r.l. reserves the right to modify them at any time without prior notice. For a correct use of our products, see technical specifications. For further information or any special use, please contact our technical department. Any suggestions or technical information provided represent our best knowledge regarding product characteristics and use. Considering different applications and any possible interference of elements beyond our control, the buyer must declare under his own responsibility that the product is suitable for the intended use.