

Technical Commercial Data Sheet

MONOSELF FV

Self-Adhesive Waterproofing Membrane



Dimensional features

Length (UNI EN 1848-1)	10 / 15 m - 1%	Toll. ≥
Width (UNI EN 1848-1)	1 m - 1%	Toll. ≥
Thickness (UNI EN 1849-1)	2 / 3 / 4 mm	Toll. 0,4 mm
Weight/m ² (UNI EN 1849-1)	3,5 / 4 kg	Toll. 10%

Description

MONOSELF FV is a self-adhesive elastomeric polymer-bitumen waterproofing. The membrane is reinforced with composite polyester fabric stabilized with fiberglass, in order to have strength and high dimensional stability. The bottom face is coated with a special self-adhesive elastomeric mass that ensures long-lasting adhesive properties, kept during the shelf life.

Application

- Use Personal Protective Equipment as requested by law;
- Clean properly the surface on which membranes has to be applied;
- On porous surfaces, use Bituver ECO PRIVER water based bituminous primer, refer to the technical data sheet of that product for usage quantities;
- Unroll the membrane on the surface;
- Remove silicone film on the lower face;
- Press properly;
- Overlap side along the specific strip and then remove silicon strip;
- Pay attention to the head overlaps cutting angles properly, using additional glue or heating to have better adhesion, and consider proper overlap;
- Use mechanical fastening in case of slopes over 15% and in hot weather;
- Apply by flame or hot air in case of cold weather (< 15°C).

Main uses

MONOSELF FV membranes are particularly indicated:

- On all the insulation materials, especially the ones that are sensible to the flame;
- On wooden roofs;
- Under all most common finishing materials;
- In construction sites where the use of flame is forbidden;
- As vapour barrier.

These products do not need special devices for the application, which is fast and safe.

TYPE	REINFORCEMENT	UPPER FACING	THICKNESS WEIGHT/m ²	m ² PER PALLET
MONOSELF FV 2 MM P	Polyester	PE film/sand	2 mm	345
MONOSELF FV 3 MM P	Polyester	PE film/sand	3 mm	250
MONOSELF FV MINERAL 3,5 KG P	Polyester	Slate	3,5 kg	250
MONOSELF FV MINERAL 4 KG P	Polyester	Slate	4 kg	250

Storage

Keep the rolls in warehouse, not exposed to the sun rays and at a higher temperature than +5°C. Keep the rolls in the upright position. If possible, avoid stacking pallets, especially with slated membranes. It is advisable to use the product within 2/3 months from delivery.



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CODICE: STCBE 097
REVISIONE: 03
DATA: april 2016
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Technical Features

Characteristics	Norm	MONOSELF FV	MONOSELF FV MINERAL P	Tolerance
Visible defect	UNI EN 1850-1	assenti	assenti	-
Straightness	UNI EN 1848-1	10 mm	10 mm	≤
Watertightness	UNI EN 1928	60 kPa	60 kPa	≥
Cold flexibility	UNI EN 1109	- 15 °C	- 15 °C	≤
L dimensional stability	UNI EN 1107-1	- 0,3 %	- 0,3 %	≥
Flow resistance	EN 1110	100 °C	100 °C	≥
Flow resistance after ageing	UNI EN 1296 UNI EN 1110	90 °C	90 °C	- 10 °C
Tensile strength at breaking L/T	UNI EN 12311-1	400/250 N/50 mm	400/250 N/50 mm	- 20 %
Elongation at breaking L/T	UNI EN 12311-1	35/35 %	35/35 %	- 15 v.a (P)
Tear resistance (B method) L/T	UNI EN 12310-1	130/130 N	130/130 N	- 30 %
Static load resistance	UNI EN 12730	10 Kg	10 Kg	≥
Dynamic punching resistance	UNI EN 12691	700 mm	700 mm	≥
Vapour permeability	UNI EN 1931	μ 20000	μ 20000	-
UV ageing	UNI EN 1297	-	-	-
Fire reaction	EN 13501-1	NPD	NPD	-
External fire reaction	EN 13501-5	F roof	F roof	-
Granules adhesion	UNI EN 12039	-	30%	≤
Watertightness after exposure to chemical agents artificial ageing	UNI EN 1928 UNI EN 1847/ UNI EN 1296	NPD	-	-
Resistance to water penetration	UNI EN 1928	-	CLASSE W1	-
Res. to water penetration Tensile properties after artificial ageing	App. C EN 13859-1	-	NPD	-
Uses	EN 13707 System 2+	Base layer Middle Layer	Top layer	-
	EN 13970 System 3	Vapor control	-	-
	EN 13859-1 System 4	-	Under tiles	-

The Saint-Gobain PPC Italia S.p.A. quality system is certified according to EN ISO 9001

Follow proper application and storage modalities.

The CE marking of this bituminous membrane is in accordance with the European Construction Products Regulation 305/2011, is in agreement to the reference technical standards and is supported by certification no. 1370-CPR-0050.

Saint Gobain PPC Italia has the right to change the technical data of this data sheet any time with no need of notice.



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