

# Technical Commercial Data Sheet

# THERMOSELF

## Thermo-adhesive waterproofing membrane



### Dimensional Features

Length (UNI EN 1848-1)	10 m - 1%	Tol. $\geq$
Width (UNI EN 1848-1)	1 m - 1%	Tol. $\geq$
Thickness (UNI EN 1849-1)	3 / 4 mm	Tol. 10%

### Description

THERMOSELF membranes are realized by stratified coextrusion of a special compound realized with bitumen modified with elasto-thermoplastic polymers and they have -25° C cold flexibility. These membranes are reinforced with composite stabilized polyester. The lower face of THERMOSELF membranes has a specific admixture that gives them a long lasting adhesive power and is protected by a silicone film that has to be removed when placed.

### 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;
- Fold the membrane on the long side and remove silicone film on the lower face following the incision;
- Repeat the same operation on the other side; adjustments are still possible after the first placement unlike self-adhesive membranes;
- 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 of 15 cm;
- Use mechanical fastening in case of slopes over 15% and in very hot weather;
- Apply always between 5 °C e 30 °C. Application at > 10° C is advised;
- Apply by flame or hot air in case of cold weather (< 10°C).

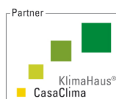
### Main Uses

THERMOSELF membranes are particularly indicated:

- On insulation materials that are sensible to the heat as foams;
- On wooden roofs;
- In multi layer waterproofing where, thanks to the application of THERMOSELF in the base layer, is possible to save gas and time, applying by flame only the upper layer;
- In hot seasons, where the solar irradiation is sufficient to activate the adhesion power of THERMOSELF.

TYPE	REINFORCEMENT	UPPER FACING	THICKNESS	m <sup>2</sup> PER PALLET
THERMOSELF 3 MM P	Polyester	Polypropylene TNT	3 mm	250
THERMOSELF 4 MM P	Polyester	Polypropylene TNT	4 mm	200

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## 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.

## Technical Features

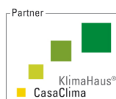
Test	Standard reference	THERMOSELF 3 mm P	THERMOSELF 4 mm P	Tolerance
Visible Faults	UNI EN 1850-1	absent	absent	-
Straightness	UNI EN 1848-1	10 mm	10 mm	≤
Watertightness	UNI EN 1928	60 kPa	60 kPa	≥
Cold flexibility	UNI EN 1109	- 25 °C	- 25 °C	≤
Dimensional stability L/T	UNI EN 1107-1	0,2 %/0,1%	0,2 %/0,1%	≤
Flow resistance	EN 1110	110 °C	110 °C	≥
Tensile strength at breaking L/T	UNI EN 12311-1	500/400 N/50 mm	500/400 N/50 mm	- 20 %
Elongation at breaking L/T	UNI EN 12311-1	45/45 %	45/45 %	- 15 v.a.
Tear resistance (B method) L/T	UNI EN 12310-1	150/150 N	150/150 N	- 30 %
Static load resistance	UNI EN 12730	15 Kg	15 Kg	≥
Dynamic punching resistance	UNI EN 12691	800 mm	800 mm	≥
Vapour permeability	UNI EN 1931	μ 20000	μ 20000	-
Fire reaction	EN 13501-1	CLASS F	CLASS F	-
External fire reaction	EN 13501-5	F roof	F roof	-
Watertightness after artificial ageing	UNI EN 1928 UNI EN 1296	60 kPa	60 kPa	≥
Flow resistance after artificial ageing	UNI EN 1296 UNI EN 1110	100	100	- 10 °C
Uses	EN 13707	Base layer Under heavy protection	Base layer Under heavy protection	-
	EN 13969	Foundations Earth retention	Base layer Under heavy protection	-

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

The products foresee proper application and storage modalities.

The CE marking of this bituminous membrane is in accordance with the European directive 89/106/CE approved by DPR 246 dated 21/4/1993, is in agreement to the reference technical standards EN 13707—EN 13969 and is supported by certification no. 1370-CDP-0054 .

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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