

# Technical Commercial Data Sheet

## Megaver AL TF

### Aluminum faced Broof (t2) waterproofing bitumen polymer membrane



#### Dimensional features

Length	10 m - 1% (UNI EN 1848-1)	Toll. ≥
Width	1 m - 1% (UNI EN 1848-1)	Toll. ≥
Weight	4,5 kg (UNI EN 1849-1)	Toll. 10%



#### Description

MEGAVER AL TF membranes are realized with a special compound based on bitumen modified with new generation elastomeric polymers (BPE), with -25°C cold flexibility. The reinforcement is double and consists in glass tissue and glass cloth. The membrane is faced with a goffered natural aluminum foil.

#### Application

- Use Personal Protective Equipment as requested by law;
- Clean properly the surface on which membranes has to be applied;
- The treatment of the application surface with Bituver ECOPRIVER water based bituminous primer is suggested;
- MEGAVER AL TF is meant to be applied by flame with a gas propane blow torch by heating the lower face, covered with a special termofusibile film;
- Apply between +5° C and + 35° C;
- Use maximum 5 m long rolls;
- The metal foil works as vapour barrier, consequently, the base on which this membranes has to be applied must be perfectly dry;
- Pay attention to avoid direct contact of the metal foil with the flame in order to avoid damages or delamination of the foil;
- Heat primarily rolls of the base layer, the direction of the flame has to be on the reverse side of the previous layer of metal faced membrane that is already placed;
- As base layer is suggested to use double glass tissue or composite polyester reinforced membranes;
- Avoid to move heavy items on the product during construction site after that is placed;
- Wear shoes with large sole and without heels;
- On slopes above 20% make a mechanical fixing every 20 cm;
- The use on insulation materials without ventilated roofs is not recommended. In case, use MEGAVER AL TF, using a vapour barrier under the insulation and a high number of aerators.

#### Recommended Use

MEGAVER AL TF membranes are particularly indicated as top layers in high aesthetic value roofs where the maintenance has to be kept at the minimum level.

**The external fire resistance of MEGAVER AL TF (Tagliafuoco) is B<sub>ROOF (t2)</sub> on any kind of substrate, even if combustible, and any kind of slope, according to the UNI EN 13501-5.**

This norm is valid for the evaluation of risk according to the specific guide for the installation of photovoltaic plants issued by Fire Department in Italy.

#### Storage

It is advisable to 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.

TYPE	REINFORCEMENT	UPPER FACING	WEIGHT/m <sup>2</sup>	m <sup>2</sup> PER PALLET
MEGAVER AL TF	Glass cloth + glass tissue	Aluminum	4,5 kg	230



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Test	Standard Reference	MEGAVER AL TF	TOLERANCE
Visible Faults	UNI EN 1850-1	absent	-
Straightness	UNI EN 1848-1	10 mm	≤
Water tightness	UNI EN 1928	60 kPa	≥
Cold flexibility	UNI EN 1109	- 25 °C	≤
Flexibility after ageing	UNI EN 1296 UNI EN 1109	- 20 °C	+ 15 °C
L dimensional stability	UNI EN 1107-1	NPD	≥
Flow resistance	EN 1110	100 °C	≥
Tensile strength at breaking L/T	UNI EN 12311-1	1400/1200 N/50 mm	- 20 %
Elongation at breaking L/T	UNI EN 12311-1	5/5 %	- 2 a. v.
Tear resistance (B method) L/T	UNI EN 12310-1	200/200 N	- 30 %
Static load resistance	UNI EN 12730	NPD	-
Dynamic punching resistance	UNI EN 12691	NPD	-
Vapour permeability	UNI EN 1931	μ 670 000	-
Fire reaction	EN 13501-1	NPD	-
Esxternal fire resistance	EN 13501-5	B <sub>ROOF</sub> (t2)	-
Form stability under cyclic temperature changes	UNI EN 1108	2 mm	≤
Uses	EN 13707 System 2+	Top layer	-

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-0050 issued by BVQI (notification no. 1370).

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



Isover Saint-Gobain  
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del GBC Italia

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