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Technical Commercial Data Sheet

MEGAVER METAL AL—CU



Description

The MEGAVER METAL membranes are realized with a special compound based on bitumen modified with new generation elastomeric polymers (BPE), with -25°C cold flexibility.

The reinforcement can be in glass tissue or in glass cloth plus glass tissue. The CU version is faced with a pure copper goffered foil while the AL version is faced with a natural aluminium goffered foil.

Application

The MEGAVER METAL membranes are meant to be applied with a gas propane blow torch by heating the lower face, covered with a special thermofusible film.

Recommended Use

The MEGAVER METAL membranes are particularly proper as top layer in roofs with a significant aesthetic value and where it is necessary to reduce maintenance operations to the minimum.

Dimensional Characteristics

Length	10 m - 1% (UNI EN 1848-1)	Tol. \geq
Width	1 m - 1% (UNI EN 1848-1)	Tol. \geq
Weight	3/4/4,5 kg (UNI EN 1849-1)	Tol. 10%

Packaging

TYPE	REINFORCEMENT	UPPER FACING	WEIGHT/m ²	m ² PER PALLET
MEGAVER AL	Glass tissue	Aluminium foil	3 kg	230
MEGAVER AL	Glass tissue	Aluminium foil	4 kg	230
MEGAVER AL	Glass cloth + glass tissue	Aluminium foil	4 kg	230
MEGAVER AL	Glass cloth + glass tissue	Aluminium foil	4,5 kg	230
MEGAVER CU	Glass cloth + glass tissue	Copper foil	4,5 kg	230

Storage

It is advisable to keep the rolls in warehouse, not exposed to the sun rays and at a temperature not below $+5^{\circ}\text{C}$. Keep the rolls in the upright position. Avoid if possible to stack pallets. It is advisable to use the product within 2/3 months from delivery.



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Performances

CHARACTERISTICS	Standard Reference	MEGAVER AL V	MEGAVER AL/CU TV	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	≤
Flexibility after ageing	UNI EN 1296 UNI EN 1109	- 20 °C	- 20 °C	+ 15 °C
Dimensional stability L	UNI EN 1107-1	NPD	NPD	-
Flow resistance	EN 1110	100 °C	100 °C	≥
Tensile strength at breaking L/T	UNI EN 12311-1	650/550 N/50 mm	1400/1200 N/50 mm	- 20 %
Elongation at breaking L/T	UNI EN 12311-1	3/3 %	5/5 %	- 2 a.v.
Tear resistance (B method) L/T	UNI EN 12310-1	150/150 N	200/200 N	- 30 %
Static load resistance	UNI EN 12730	NPD	NPD	-
Dynamic punching resistance	UNI EN 12691	NPD	NPD	-
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	-
Form stability under cyclic temperature changes	EN 1108	2 mm	2 mm	≤
Use	EN 13707	Top layer	Top layer	-

Application Recommendations

- It is advisable to employ membranes with a maximum length of 5 m.
- Avoid the direct contact of metal with the blow torch flame not to cause damages or detachments of the metal foil.
- Fix the layers by heating the underlying membrane.
- As first sealing elements it is preferable to use membranes with glass tissue reinforcement, double reinforcement or composite polyester reinforcement.
- Avoid movements on the product, especially after torching.
- The use of low and broad heeled shoes is recommended to avoid damaging the metal foil.
- In case of slopes pver 20%, fix mechanically every 20 cm.
- In case of use on insulating panels, prefer the use of aluminium surfaced products, preparing a vapour barrier under the insulating material and an adequate quantity of aerators.

The Saint-Gobain Isover Italia S.p.A. quality system is certified according to EN ISO 9001: 2000

Our products foresee proper application and storage modalities.

The CE marking of this product is in accordance with the European directive 89/106/CE approved by DPR 246 dated 21/4/1993, and is in agreement to the reference technical standards EN 13707 and supported by certification no. 1370-CDP-0050 issued by BVQI (notification no. 1370).

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

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