

ALUJET MD

Product description

▶ ALUJET MD is a strong, highly permeable and 4-layer polypropylene combination consisting of a permeable fleece/foil compound and a plastic fabric.



Fig. 1: ALUJET MD

Fig. 2: ALUJET MD

Product benefits

▶ Safe against drifting snow; extremely resistant to pressure; UV-resistant

Area of application

▶ The textured polypropylene metal separating layer is suitable for applications underneath metal covers for sheathed roofs with or without heavy-duty roof insulation

Technical data

Test – vapor-permeable Layer	Standard	Unit	Value
Reaction to fire	EN 13501	Klasse	E
Weight / mass	EN 1848-2	g / m ²	approx. 150
Sd-Value	EN 12572 / EN 1931	m	0,06 (+0,01/-0,04)
Resistance to water penetration	EN 1928 / EN 13111	---	W1
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	approx. 310
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	approx. 300
Elongation longitudinal	EN12311-1 / EN 13859-1	%	approx. 55
Elongation transversal	EN12311-1 / EN 13859-1	%	approx. 35
Tear resistance longitudinal	EN12310-1 / EN 13859-1	N	approx. 190
Tear resistance transversal	EN12310-1 / EN 13859-1	N	approx. 200

Test – plastic fabric	Standard	Unit	Value
Weight / mass		g / m ²	350 ±30
Voids index		%	95
Reaction to fire	EN 13501	Class	E
Elongation longitudinal	EN12311-1 / EN 13859-1	%	95 ±35
Elongation transversal	EN12311-1 / EN 13859-1	%	65 ±30
Tensile elongation longitudinal		kN/m	>1,3
Tensile elongation transversal		kN/m	>0,5
Colour			black

Prüfung – overall structure	Standard	Unit	Value
Thickness		mm	8 ±1
Temperature resistance		°C	-20 bis +80
Processing temperature		°C	from 5
ZVDH Product data sheet		Table1	UDB-A
UV-resistance**		Weeks	8

Processing

▶ The ALUJET MD is fastened in an enclosed manner every 30 cm in the overlap area (rainproof) on the open edges of the rampant layer using roofing nails or staples. It is laid either parallel to the eaves or to the bargeboard.

When laid in the valley area, a 70 cm wide membrane strip is first laid out on the valley. The rampant layer is then removed at a width of around 15 cm to the left and right of the membrane. A suitable adhesive is then applied (e. g. ALUJET Allfixx, ALUJET Butyltape).

The base membranes are then placed on this valley membrane. Laying in the hip area is carried out in reverse order. The ALUJET MD comes with an adhesive strip at the horizontal overlap. For lateral overlaps, the rampant layer of the membrane to be overlapped must be removed at a width of around 15 cm and fastened using a suitable adhesive (e. g. ALUJET Allfixx, ALUJET Butyltape). Depending on the temperature, it may be necessary to fasten the lateral overlap using roofing nails (driven through the overlap adhesive).

In the eaves area, the ALUJET MD is extended to about 5 cm over the substructure connection. Finally, the metal separating layer is only laid between the eaves flashing and drip tray after the iron brackets are mounted. When soldering sheets, insert an additional metal strip on the rampant layer and under the sheet connection to protect the rampant layer.

The ALUJET MD can be used starting from a roof pitch of $\geq 3^\circ$. If the membrane is exposed to weather for a prolonged period, rainproofing measures must be taken. The ALUJET MD cannot be used as a temporary covering, makeshift covering or winter construction measure.

To protect the membrane from strong wind or storms, counter battens may be attached. Leaks must be avoided. It is important that nails be driven through the factory-installed adhesive strip of the height overlap.

The membrane is not a roofing material for continuous outdoor use and therefore should be covered promptly after laying.

Specification

▶ Width:	1.500 mm	1.500 mm
Length:	25 m	12,5 m
Roll content:	37,5 m ²	18,75 m ²
Pallet content:	6 rolls	7 rolls

System-components ▶ ALUJET Difutape; ALUJET Difutape BLACK; ALUJET Allfixx.

Storage ▶ Ohne Einwirken von UV-Strahlung, da hierdurch die Eigenschaften des Materials dauerhaft reduziert werden könnten.

Notes ▶  

The ALUJET MD is not a roof covering material with regard to waterproofness and tear resistance for long-term outdoor use and therefore needs to be stored promptly after installation. The information is based on our current knowledge and experience. They do not exempt the user from their own tests and trials, since the multitude of possible influences during processing and application are not subject to our influence. * At Central European temperatures. ** Please note the separate processing instructions.