ALUJET Master

Product discription

The ALUJET Master membrane is a permeable underlay and sarking membrane. The 4-layer composite propylene fleece and foil compound made from UV-stabilised special polyolefin fleeces meets the requirements of CE EN 13859-1 and those of the latest ZVDH guidelines.

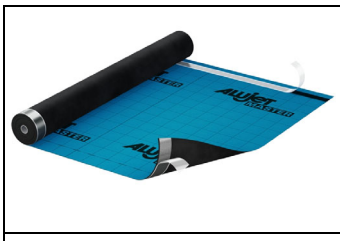

Fig. 1: ALUJET Master

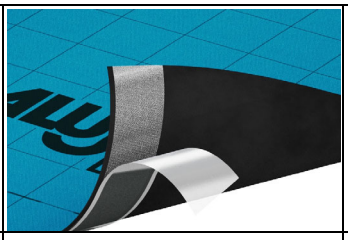

Fig. 2: ALUJET Master

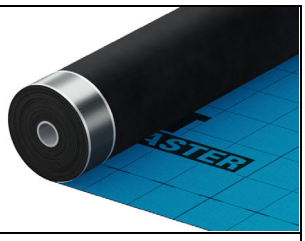

Fig. 3: Self-adhesive strip

Product benefits

10 years ALUJET Warranty***); fall protection; suitable for temporary cover; meets the latest requirements of DIN 4426; meets the requirements of the ZVDH technical rules; permeable; walkable; suitable for a rainproof roof-support system; 4-layer with woven fabric inlay; suitable for temporary roofing purposes; meets the requirements of DIN 4426.

Special strength

Extremely high resistance to hailstorm and thus an additional safety component.

Area of application

For universal use on sheathed and unsheathed pitched roofs. Possible as an additional measure of class 3 (ZVDH) without nail sealing material***.

Technical data

Test	Standard	Unit	Value
Reaction to fire	EN 13501-1 / EN 11925-2	Class	E
Weight / mass	EN 1848-2	g / m²	210 (-15 / +20)
Temperature resistance		°C	-40 to +100
Processing temperature		°C	≥ -5
Water resistance	EN 20811	mm	≥ 5.000
Sd-Value	EN 12572 / EN 1931	m	0,08 (-0,02 / +0,02)
Resistance to water penetration	EN 1928 / EN 13111	---	W1
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	1.000 (-200 / +200)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	700 (-100 / +100)
Elongation longitudinal	EN12311-1 / EN 13859-1	%	10 (-5 / +5)
Elongation transversal	EN12311-1 / EN 13859-1	%	20 (-10 / +10)
Tear resistance longitudinal	EN12310-1 / EN 13859-1	N	500 (±100)
Tear resistance transversal	EN12310-1 / EN 13859-1	N	500 (-100 / +150)
Cold bending behaviour	EN 1109 / EN 495-5	°C	-20
Ö-Norm: B3661 / table 5/4119 / paragraph 6.1.2			Type I
ZVDH product data sheet		Table 1	UDB / USB
UV-resistance*		Month	4
Temporary roofing*		Weeks	10
WDD Stromdichte		g/m²d	ca. 300

Test **After aging (100°C)**	**Standard**	**Unit**	**Value**
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	900 (-200 / +200)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	650 (-100 / +100)
Elongation longitudinal	EN 13859-1 / Beilage C	%	8 (-5 / +5)
Elongation transversal	EN 13859-1 / Beilage C	%	15 (-10 / +10)
Resistance to water penetration	EN 13859-1 / Beilage C	---	W1

Processing

The ALUJET Master is laid parallel to the eaves without producing any tension. It is fastened using staples in enclosed areas or using clout nails driven over the adhesive strip. The adhesive area to adhesive area bond seals the overlap. In variants without a self-adhesive strip, the ALUJET Master is taped to the overlap using a suitable single-sided adhesive tape.

Non-ventilated roof structure:
The membrane is laid over the ridge vertex.

Ventilated roof structure:
The membrane ends approx. 30 mm below the ridge vertex and is covered with an approx. 60 cm wide shroud stretched on the counter battens for ventilation and rain-proofing purposes.

To ensure that the structure is rainproof (rainproof roof support system), overlaps and penetrations must be taped up. To prevent the penetration of moisture from nails and screws, we recommend the use of additional nail-sealing measures. If the membrane is to be used as a temporary covering, an additional nail-sealing measure must be used. In the eaves area, the membrane ends on the eaves flashing or underneath the gutter board. The membrane must not protrude from the structure. We recommend proper taping of the membrane at the eaves flashing and drip plate. At the bargeboard, the ALUJET Master must be extended as far as possible to the outside, extended upwards right under the last counter batten and fastened. Regulations of the German roofing trade, as amended, shall apply. These are subject to change without notice. Provided it is processed correctly, the membrane is suitable for temporary covering**.

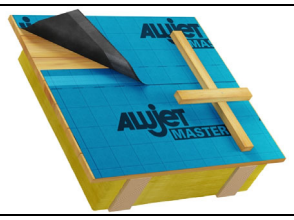

Fig. 4: Laying on insulation

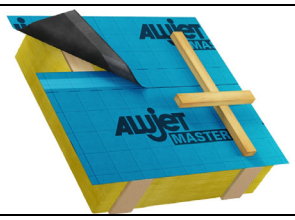

Fig. 5: Laying on woodwork

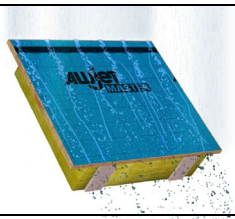
Fig. 6: suitable for temporary cover

Fig. 7: Extremely high resistance

Specification

Width:	1.500 mm
Length:	50 m
Roll content:	75 m²
Pallet content:	20 rolls

System-components

ALUJET Difutape; ALUJET Nageldichtung PE; ALUJET Allfixx; ALUJET Difutape BLACK; ALUJET Sprühfixx; ALUJET Kabelmanschette; ALUJET Rohrmanschette.

Storage

Without exposure to UV radiation, this could permanently reduce the properties of the material.

DGNB

The product qualifies for use in all DGNB new-build projects up to the highest "Platinum" award level. This is confirmed by the independent Sentinel Haus Institute, which has tested the product in accordance with the requirements of DGNB specification ENV1.2 "Risks to the local environment" (version 2023). Due to the very good product properties with regard to the pollutant content, no additional verification documents are required for DGNB certification.

Notes

Materialgarantie hinterlegt beim ZVDH

GEV-EMICODE EC 1 PLUS sehr emissionsarm

QNG READY

ALUJET 10 YEARS WARRANTY

100°C

CE
13
EN 13859-1 / 13859-2
Leistungserklärung Nr.
LE-10032-000-1335

The ALUJET Master is not a roofing material for permanent outdoor use in terms of waterproofness and tear resistance. It should be covered in a timely manner 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. **This feature is not part of the material warranty but is a part of the ALUJET warranty. ***Request our separate warranty document. ****The execution without additional nail sealing material is parallel to the ZVDH technical rules.