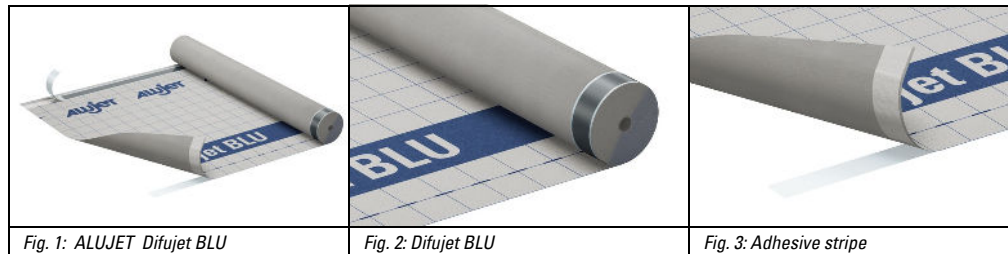


ALUJET Difujet BLU

Product description

- ▶ ALUJET Difujet BLU is a diffusion-open formwork and underlay membrane. The 3-layer fleece and film composite made of UV-stabilised special polyolefin fleece meets the requirements of CE EN 13859-1:2010 / CE EN 13859-2:2010 and the latest ZVDH guidelines.



Product benefits

- ▶ Open to diffusion; suitable for 2 months as a temporary covering; 90°C temperature resistance; use of the highest-quality nonwovens; 3-layer nonwoven composite; fire behaviour E according to DIN EN 13501-1; slip-resistant; non-slip, also as an airtight layer under insulation, e.g. soft wood fibre boards; also under slate, shingles, fibre cement boards, metal coverings (except titanium zinc).

Area of application

- ▶ for use on pitched and unsloped roof constructions in pitched roofs, with and without full rafter insulation.

Technical data

Test	Standard	Unit	Value
Reaction to fire	EN 13501-1 / EN 11925-2	class	E
Weight / mass	EN 1848-2	g / m ²	145 (-10 / +10)
Temperature resistance		°C	-40 bis +90
Processing temperature		°C	from -5
Water resistance	EN 20811	mm	≥ 3.000
Sd-Value	EN 12572 / EN 1931	m	0,02 (-0,01 / +0,03)
Resistance to water penetration	EN 1928 / EN 13111	---	W1
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	310 (-30 / +30)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	225 (-25 / +25)
Elongation longitudinal	EN12311-1 / EN 13859-1	%	60 (-20 / +20)
Elongation transversal	EN12311-1 / EN 13859-1	%	75 (-20 / +20)
Tear resistance longitudinal	EN12310-1 / EN 13859-1	N	185 (-30 / +30)
Tear resistance transversal	EN12310-1 / EN 13859-1	N	255 (-30 / +30)
Cold bending behaviour	EN 1109 / EN 495-5	°C	-40
Ö-Norm: B3661 / table 5/4119 / paragraph 6.1.2		Table 1	UDB / USB
ZVDH product data sheet		month	3
UV-resistance*		month	2
Resistance to air passage		m ³ /(m ² h 50 Pa)	<0,009

Test	Standard	Unit	Value
After aging (90°C)			
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	210 (-30 / +30)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	150 (-30 / +30)
Elongation longitudinal	EN 13859-1 / Beilage C	%	40 (-20 / +20)
Elongation transversal	EN 13859-1 / Beilage C	%	50 (-20 / +20)
Resistance to water penetration	EN 13859-1 / Beilage C	---	W1

Processing

The ALUJET Difujet BLU is laid parallel to the eaves without tension. It is fastened in the concealed area using staples or clout nails above the adhesive strip. With ALUJET Difujet BLU, the sealing between the overlap is realised with self-adhesive strips, adhesive zone on adhesive zone.

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

Ventilated roof construction:
The membrane ends approx. 30 mm before the ridge vertex and is covered rainproof by means of a bonnet, approx. 60 cm wide, stretched over the counter battens for ventilation and venting.

To ensure the properties of the membrane, overlaps and penetrations must be taped up in accordance with the requirements. To prevent the penetration of moisture from nails and screws, we recommend the use of additional nail-sealing measures. If the membrane is 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 Difujet UDB must be extended as far as possible to the outside, extended upwards right under the last counter batten and fastened

The latest version of the rules of the German roofing trade apply. Subject to change without notice..

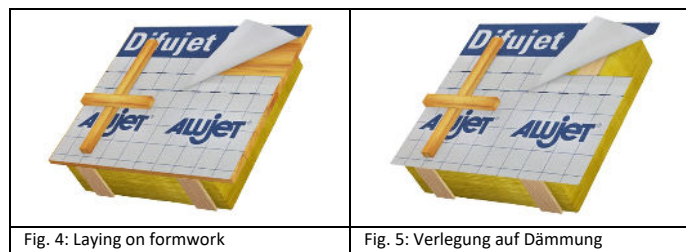


Fig. 4: Laying on formwork

Fig. 5: Verlegung auf Dämmung

Specification

Adhesive stripe	yes	yes	no
Width:	1.500 mm	3.000 mm	3.000 mm
Length:	50 m	50 m	50 m
Roll content:	75 m ²	150 m ²	150 m ²
Pallet content:	20 rolls	20 rolls	20 rolls

System components

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

Storage

▶ Without exposure to UV radiation, as 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



In terms of waterproofness and tear resistance, ALUJET Difujet BLU is not a roofing material for permanent outdoor use and must therefore be covered promptly after installation. The information is based on our current knowledge and experience. They do not release the user from carrying out his own tests and trials, as the many possible influences during processing and application are beyond our control. *At Central European temperatures.