ALUJET Difujet USB

Product discription

The ALUJET Difujet USB membrane is a permeable underlay membrane for pitched roofs. The 3-layer composite fleece and film membrane 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 Difujet USB

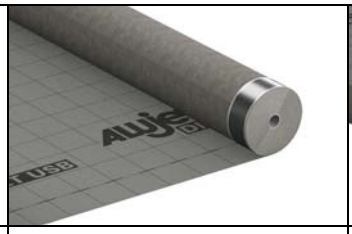


Fig. 2: Difujet USB

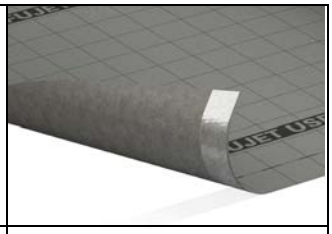


Fig. 3: Self-adhesive strip

Product benefits

Permeable; suitable for temporary roofing purposes; use of top-quality fleeces; 3-layer nonwoven composite; Fire reaction class E according to DIN EN 13501-1; non-slip; Safe to walk on.

Area of application

For use on unsheathed pitched roof structures with or without heavy-duty roof insulation.

Technical data

Test	Standard	Unit	Value
Reaction to fire	EN 13501-1 / EN 11925-2	Class	E
Weight / mass	EN 1848-2	g / m²	130 (-10 / +10)
Temperature resistance		°C	-40 bis +90
Processing temperature		°C	from+5
Water resistance	EN 20811	mm	≥ 2.800
Sd-Value	EN 12572 / EN 1931	m	0,02 (-0,01 / +0,015
Resistance to water penetration	EN 1928 / EN 13111	---	W1
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	285 (-50 / +55)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	200 (-30 / +45)
Elongation longitudinal	EN12311-1 / EN 13859-1	%	55 (-30 / +30)
Elongation transversal	EN12311-1 / EN 13859-1	%	80 (-30 / +45)
Tear resistance longitudinal	EN12310-1 / EN 13859-1	N	145 (-40 / +75)
Tear resistance transversal	EN12310-1 / EN 13859-1	N	175 (-50 / +75)
Cold bending behaviour	EN 1109 / EN 495-5	°C	-30
ZVDH product data sheet		Table 1	USB-A
UV-resistance*		Month	2
Temporary roofing		Weeks	2
WDD Stromdichte		g/m²d	ca. 1000

Test After aging (90°C)	Standard	Unit	Value
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	255 (-50 / +60)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	175 (-35 / +55)
Elongation longitudinal	EN 13859-1 / Beilage C	%	40 (-25 / +30)
Elongation transversal	EN 13859-1 / Beilage C	%	50 (-25 / +30)
Resistance to water penetration	EN 13859-1 / Beilage C	---	W1

Processing

The ALUJET Difujet USB 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. With the ALUJET Difujet USB, the adhesive area to adhesive area bond between the overlap is executed using self-adhesive strips. In variants without a self-adhesive strip, the ALUJET Difujet USB can be 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 the properties of the membrane, overlaps and penetrations must be taped up in accordance with the requirements. Nail seals must be inserted between the membrane and battens as necessary. 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 USB 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.

Fig. 4: Laying on insulation

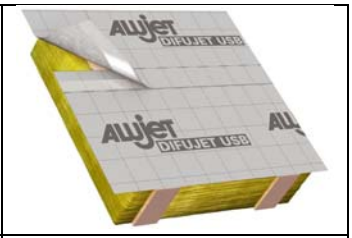


Fig. 5: Laying on formwork

Specification

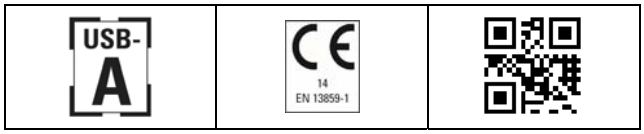
Self-adhesive strips	Included	without
Width:	1.500 mm	1.500 mm
Length:	50 m	50 m
Roll content:	75 m²	75 m²
Pallet content:	20 rolls	20 rolls

System components

ALUJET Difutape; ALUJET Nageldichtung PE; ALUJET Allfixx

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

Notes



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