

## ALUJET Professional

### Product description

- ▶ The ALUJET Professional membrane is a 4-layer tear-proof, permeable underlay and sarking membrane made from a special polyolefin. The requirements under DIN EN 13859-1 and the latest ZVDH guidelines are met.

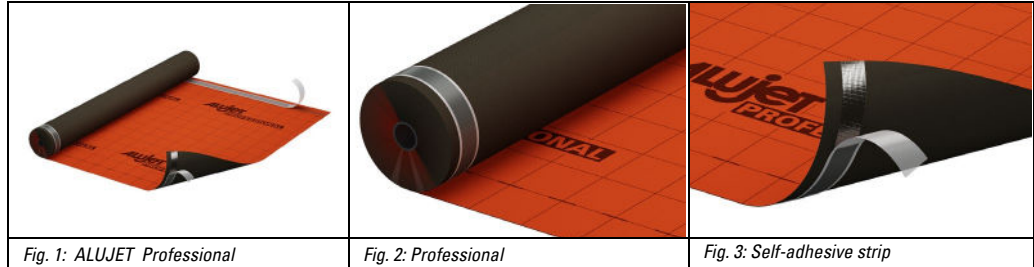


Fig. 1: ALUJET Professional

Fig. 2: Professional

Fig. 3: Self-adhesive strip

### Product benefits

- ▶ 4-layer ultra-microfibre fleece/foil compound; suitable for temporary roofing purposes; moisture reservoir; permeable, Non-slip; safe to walk on; suitable for a rainproof under-roof – support system; extremely tear-resistant; for windproof undercoverage; as an airtight layer under insulation e.g. Wood fiber panels; Also under slate, shingles, fiber cement boards and metal coverings\*; adhesive tape free of solvent-containing substances.

### Area of application

- ▶ For use on sheathed pitched roofs with or without heavy-duty roof insulation and unsheathed pitched roofs with heavy-duty roof insulation.

### Special Strength

- ▶ The ALUJET Professional has an integrated microfiber film with the property to absorb more than 800% of its own basis weight of moisture (see European Patent EP 2 099 609 B1). To return it later via a diffusion process to the external environment and completely dry off.

### Technical data

Test	Standard	Unit	Value
Reaction to fire	EN 13501-1 / EN 11925-2	Class	E
Weight / mass	EN 1848-2	g / m <sup>2</sup>	175 (-15/+10)
Temperature resistance		°C	-40 to +100
Processing temperature		°C	≥ -5
Water resistance	EN 20811	mm	≥ 3.000
Sd-Value	EN 12572 / EN 1931	m	0,02 (-0,015/+0,015)
Resistance to water penetration	EN 1928 / EN 13111	---	W1
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	380 (-40 / +50)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	330 (-50 / +50)
Elongation longitudinal	EN12311-1 / EN 13859-1	%	40 (-15 / +30)
Elongation transversal	EN12311-1 / EN 13859-1	%	65 (-20 / +40)
Tear resistance longitudinal	EN12310-1 / EN 13859-1	N	160 (-30 / +40)
Tear resistance transversal	EN12310-1 / EN 13859-1	N	190 (-40 / +40)
Cold bending behaviour	EN 1109 / EN 495-5	°C	-30
Ö-Norm: B3661 / table 5/4119 / Paragraph 6.1.2			Type I
ZVDH product data sheet		Table 1	UDB-A / USB-A
UV-resistance**		Month	4
Temporary roofing		Weeks	4

Test	Standard	Unit	Value
<b>After aging (100°C)</b>			
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	330 (-40 / +40)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	280 (-50 / +50)
Elongation longitudinal	EN 13859-1 / Beilage C	%	30 (-15 / +30)
Elongation transversal	EN 13859-1 / Beilage C	%	55 (-15 / +30)
Resistance to water penetration	EN 13859-1 / Beilage C	---	W1

**Processing**

The ALUJET Professional 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 Professional, 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 Professional 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 Professional 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.

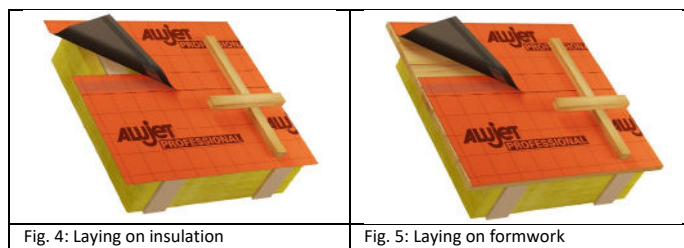


Fig. 4: Laying on insulation

Fig. 5: Laying on formwork

Specification	Self-adhesive strips	included	without
		Width:	1.500 mm
	Length:	50 m	50 m
	Roll content:	75 m <sup>2</sup>	75 m <sup>2</sup>
	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.

**DGNB** ▶ As an independent third party, the Sentinel Haus Institut confirms the conformity of the product with the requirements of the DGNB profile ENV1.2 "Risks for the local environment" (version 2023). No criteria for the avoidance of pollutants are currently defined by the DGNB for this product type, so no evidence needs to be provided. The product is therefore suitable for use in all DGNB new-build projects.

**Notes** ▶

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Our instructions for use, guidelines for use, product and service information and other technical specifications only serve as a guide, they only describe the properties of our products (value specifications/determinations at time of production) and services and do not constitute guaranteed characteristics. Owing to the wide-ranging areas of application of the individual products and the particular conditions (e.g. usage parameters, material properties etc.), it is incumbent on the user to test our products. Our applications engineering consulting - whether verbal, in writing or by way of tests is offered free of charge and is not legally binding.\* except titan zinc\*\*.at central european temperatures