

## ALUJET Climajet SD100

### Product description

- ▶ The ALUJET Climajet SD100 is an airtight, 3-layer vapour check membrane with a self-adhesive strip for external use underneath almost all PUR/PIR on-roof insulations and for internal use. Due to the aluminised surface, the ALUJET Climajet SD100 also reflects heat and therefore increases the thermal protection. With an Sd value of 100 m, it meets all requirements for professional use on pitch roofs.

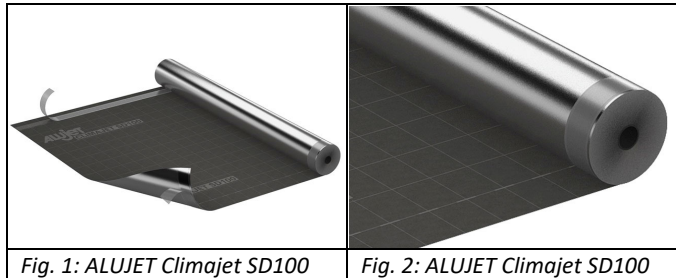


Fig. 1: ALUJET Climajet SD100

Fig. 2: ALUJET Climajet SD100

### Product benefits

- ▶ For new building and underneath on-roof insulation; 10 Jahre ALUJET Warranty; UDB-A / USB-A; heat-reflecting; UV-stable up to 12 months; extremely sturdy and tear-proof; windproof; airtight\*.

### Specification

- ▶ Width: 1.500 mm
- ▶ Length: 50 m
- ▶ Pallet content: 20 Rollen
- ▶ Adhesive stripe: On both sides

### Technical data

Test	Standard	Unit	Value
Reaction to fire	DIN EN 13501-1		E
Sd-Value	DIN EN 1931	m	≥ 100
Weight / mass		g/m <sup>2</sup>	ca. 140
Resistance to water passage	EN 1928	Klasse	W1
Tensile elongation longitudinal	EN 12311-1	N / 50 mm	270 ±15
Tensile elongation transversal	EN 12311-1	N / 50 mm	220 ±15
Elongation longitudinal	EN 12311-1	%	50 ±5
Elongation transversal	EN 12311-1	%	30 ±5
Tear resistance longitudinal	EN 12310-1	N	160 ±20
Tear resistance transversal	EN 12310-1	N	160 ±20
Resistance to water passage after aging	EN 1928	Klasse	W1
Tensile elongation longitudinal after aging	DIN EN 13859-1	N / 50 mm	200 ±15
Tensile elongation transversal after aging	DIN EN 13859-1	N / 50 mm	160 ±15
Elongation longitudinal after aging		%	40 ±5
Elongation transversal after aging		%	25 ±5
ZVDH-Product data sheet		Klasse	UDB-A / USB-A
Cold Bending		°C	-30
Processing temperature		°C	from -5°
Temperature resistance		°C	-40 - +80
Temporary roofing		Wochen	2
UV-Resistance (external use)		Monate	3

**System components**

▶ Internal installation: ALUJET Difutape; ALUJET Alusan; ALUJET Alucral; ALUJET Dichtjet; ALUJET Allfixx. Processing underneath on-roof insulation: ALUJET Difutape; ALUJET Allfixx

**Processing**

▶ **Installation under on-roof insulation**

The ALUJET Climajet SD100 is laid parallel to the eaves without producing any tension. The vapour seal is fastened in enclosed areas using staples or clout nails. Penetrations are sealed using the ALUJET Difutape. When using the ALUJET Climajet SD 100, overlaps are produced with the integrated adhesive tape (bonding surface over bonding surface).

**Internal installation**

The ALUJET Climajet SD100 is laid in strips with the fleece facing the insulation side, on the "warm" side of the thermal insulation, and stapled to the rafters and fastened with the battens. The vapour seal is laid without producing any tension and without being subjected to tensile or shearing forces. It can be laid either at right angles or parallel to the rafters. The longitudinal overlap must be at least 10 cm. Lateral overlaps of at least 200 mm must be ensured. Vertical overlaps must always occur at a rafter. Overlaps, penetrations and window joints must be taped airtight using a suitable ALUJET product (see system components). Joints on existing components must be bonded with ALUJET Dichtjet or ALUJET Allfixx. When using mat and panel type insulation materials, tensile stresses on the adhesive tape joints are to be expected (e.g. due to the weight of the insulation material). Therefore, additional supporting battens may be necessary on the overlap bond.

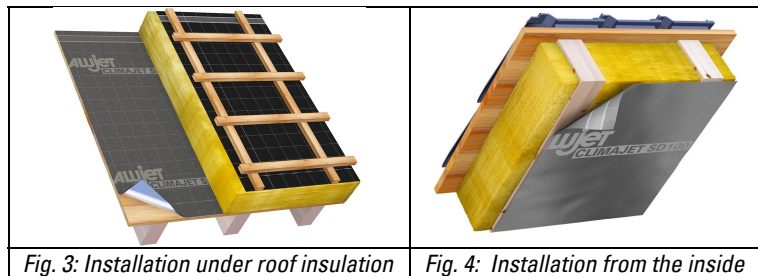


Fig. 3: Installation under roof insulation

Fig. 4: Installation from the inside

**Storage**

▶ In the original packaging tube at room temperature. The ALUJET Climajet SD100 is to be stored protected from UV radiation.

**Notes**


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. \*Not suitable as an airtight membrane for renovation work