ALUJET Climajet SD2

Product discription

The ALUJET Climajet SD2 is an airtight, breathable and extremely robust vapour check for roof conversion in accordance with the latest EnEV directives for residential buildings. The requirements of DIN 4108 and the requirements of the technical rules of the ZVDH are also met.

Fig. 1: ALUJET Climajet SD2

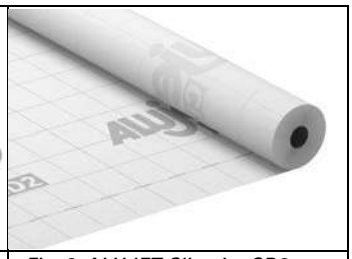

Fig. 2: ALUJET Climajet SD2

Product benefits

For construction and refurbishment; underneath on-roof insulation; suitable for internal and external installation; UV-stable for up to 12 months; 10 years ALUJET warranty; extremely sturdy and tear-proof; breathable; suitable for blow-in insulation material; Moisture-regulating.

Strength

The dehydration of trapped moisture and the degradation of moisture can also be reduced to the inside of the room. Due to the Sd value of 2 m, processing is possible without an additional insulating layer. Roof structures without chemical wood preservatives (DIN 68800) are supported with the ALUJET Climajet SD2.

Area of application

The ALUJET Climajet SD2 is a multifunctional vapour check for 3 areas of application, for internal use, for external use during refurbishment work and for use underneath on-roof insulation.

Technical data

Test	Standard	Unit	Value
Reaction to fire	DIN EN 13501-1		E
Sd-value		m	2 ±1
Thickness		mm	approx. 0,4
Weight / mass		g	100 ±10
Tensile elongation longitudinal	EN 12311-1	N / 50 mm	180 -30/+50
Tensile elongation transversal	EN 12311-1	N / 50 mm	130 -30/+40
Elongation longitudinal	EN 12311-1	%	60 ±20
Elongation transversal	EN 12311-1	%	70 ±20
Tear resistance longitudinal	EN 12310-1	N	80 -20/+30
Tear resistance transversal	EN 12310-1	N	90 -20/+30
Temperature resistance		°C	-40 bis +80
UV-resistance (internal use)		Monate	12
UV-resistance (external use)		Wochen	4

Specification

Width:	1.500 mm	1.500 mm
Length:	50 m	50 m
Pallet content:	32 rolls	32 rolls
Adhesive stripe:	yes	no

Processing

Internal installation

The ALUJET Climajet SD2 is laid in strips with the unprinted 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 reach up to the printing on the membrane. 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 air-tight with the ALUJET Difutape or ALUJET Alusan. 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.

Installation during external restoration

The ALUJET Climajet SD2 is laid externally over the rafters, with the unprinted fleece facing the rafters. Overlaps and penetrations must be taped airtight with the ALUJET Difutape. During installation, it must be ensured that longitudinal overlaps must reach up to the printing on the membrane. Lateral overlaps of at least 200 mm must be ensured. Eave joints must be executed using ALUJET Allfixx (eaves beam, wall plate/brickwork), bonded and mechanically fixed into place with a pressure batten. The entire roof structure and the joints must be taken into account for the proper functioning of the vapour seal.

Installation under on-roof insulation

The ALUJET Climajet SD2 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 SD2 without self-adhesive strips, tape the overlaps using the ALUJET Difutape. Joints on rising components (such as chimneys and gable ends) are bonded with ALUJET Allfixx.

Fig. 3: internal installation

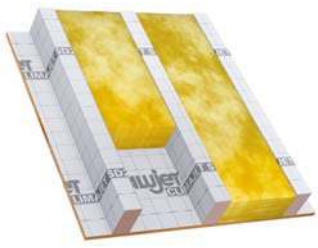

Fig. 4: Installation during external restoration

Fig. 5: Installation under on roof insulation

Storage At room temperatures, protected against UV radiation.

System components ALUJET Unterdeck- und Unterspannbahnen; ALUJET Difutape; ALUJET Alusan; ALUJET Dichtjet; ALUJET Allfixx.

Notes

CE 13 EN 13984

ALUJET 10 YEARS WARRANTY

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 biding.