ALUJET Climajet SD VARIO

Product discription

The use of the ALUJET Climajet SD VARIO in combination with the proven ALUJET system components enables a large number of tested system variants for professional and airtight roof construction. Through the incorporated fabric, the stability and tear resistance of the ALUJET Climajet SD VARIO could be significantly increased again. This makes the ALUJET Climajet SD VARIO ideally suited for use with injected thermal insulations. In order to further increase safety during installation, the ALUJET Climajet SD VARIO was equipped with UV stability.

Fig. 1: ALUJET Climajet SD VARIO

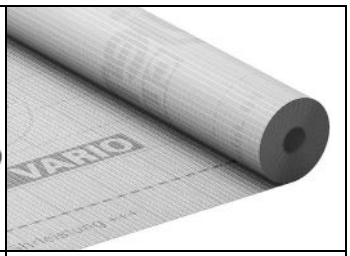

Fig. 2: ALUJET Climajet SD VARIO

Product benefits

Active adjustment to climatic conditions; high level of protection and construction safety; Sd value moisture-variable from 0.25 to 25 m; high tear strength; especially suitable for injected thermal insulation; UV-resistance; with fabric insert; approval by the DIBt for standard compliant constructions according to DIN 68800-2 (wood protection standard).

Special Strength

The special strengths of the ALUJET Climajet SD VARIO are the active adaptation to climatic conditions, because depending on the ambient humidity, the diffusion of the water vapor is controlled by the ALUJET Climajet SD VARIO. Due to the high moisture-variable Sd value of up to 25 m, almost no water vapor gets into the roof construction during the winter months. This increases the safety from condensation and mold growth in the construction. In addition, in the summer months, the moisture contained in the construction is reduced again by the low moisture-variable Sd value up to 0.25 m faster.

Area of application

The ALUJET Climajet SD VARIO is a multifunctional vapour check for use on pitched roofs and flat roofs. Depending on the property, the installation can be carried out from inside or outside (refurbishment). Moisture-variable vapour checks are not suitable for use in buildings with a permanently increased relative humidity of more than 60% (for example: wellness areas, large kitchens, swimming pools)

Specification

Width:	1.500 mm
Length:	50 m
Pallet content:	20 rolls

System-components

Internal Installation: ALUJET Difutape; ALUJET Alusan; ALUJET Dichtjet; ALUJET Allfixx.
Installation/external restoration: ALUJET Difutape; ALUJET Allfixx

Technical data

Prüfung	Norm	Einheit	Wert
Reaction to fire	DIN EN 13501-1		E
Sd-Value	DIN EN 1931	m	7,5 ±0,25
Sd-Wert moisture variable	DIN EN ISO 12572	m	0,25 bis 25
µ value			18.750
Thickness		mm	0,4 ±0,1
Weight		g/m²	110 ±15
Tensile elongation longitudinal	EN 12311-1	N / 50 mm	350
Tensile elongation transversal	EN 12311-1	N / 50 mm	290
Elongation longitudinal	EN 12311-1	%	15
Elongation transversal	EN 12311-1	%	15
Tear resistance longitudinal	EN 12310-1	N	200
Tear resistance transversal	EN 12310-1	N	200
Temperatur resistance		°C	-40 bis +80
Durability after aging			passed
Thermal Conductivity		W/mK	0,17
Allgem. Bauaufsichtliche Zulassung	DIN 68800-2		Z-9.1-891
UV-resistance (inside)			12 Month
UV-resistance (outside)			2 Month

Processing

Internal installation

The ALUJET Climajet SD VARIO 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 reach up to the dotted overlapping line (at least 10 cm). Lateral overlaps of at least 200 mm must be ensured. Vertical overlaps must always occur at a rafter. Overlaps, leaks and window joints must be taped air-tight 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.

Installation/external restoration

The ALUJET Climajet SD VARIO 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 dotted overlapping line (at least 10 cm). Lateral overlaps of at least 200 mm must be ensured. Eave joints must be executed using ALUJET Allfixx (eaves purlin or 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 by injected thermal insulation

The ALUJET Climajet SD VARIO is particularly suitable as a vapor barrier for all kinds of injected thermal insulation. The fabric insert ensures the extremely high tear strength as well as a low elongation, which is advantageous when using injected thermal insulation. In order to avoid condensation, the blow-in insulation should be introduced immediately after completion of the air seal level. This is especially true when working in winter. The lathing must be carried out according to the material of the injected thermal insulation and the thickness. For air-tight bonding of the holes, we recommend the ALUJET Difutape in 150 mm width. When using an injected thermal insulation, tensile loads (eg due to the insulation weight) on the adhesive tape connections are to be expected, so additional support slats may be required on the overlap bonding.

Fig. 3: Internal installation

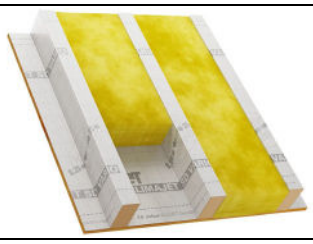

Fig. 4: Installation / external restoration

Fig. 5: Installation by injected thermal insulation

Storage

In the original packaging tube at room temperature. The ALUJET Climajet SD VARIO is to be stored protected against UV radiation.

Hinweise

CE
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EN 13984
Leistungserklärung Nr.
LE-10038-000-1552

eco INSTITUT
TESTED PRODUCT
ID 1120 - 33679 - 003

ALUJET 10 YEARS WARRANTY

ALUJET GmbH
Werk 001
Z-9.1-891
MFPA Leipzig

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.