ALUJET Climajet SD5

Produkt-discription

ALUJET Climajet SD5 is an airtight, fabric-reinforced and extremely robust vapour barrier for roof extensions and drywall construction. It fulfils the requirements of the EnEV; DIN 4108 and the ZVDH trade regulations.

Fig. 1: ALUJET Climajet SD5

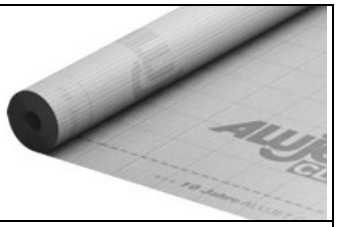

Fig. 2: ALUJET Climajet SD5

Product-benefits

For new builds and refurbishments; under roof insulation; for interior and exterior use; 12 months UV-stable*; 10-year ALUJET warranty**; with fabric insert; extremely stable and tear-resistant; breathable; suitable for blow-in insulation; airtight.

Special strength

The drying out of trapped moisture and moisture reduction can also be reduced to the inside of the room. Roof constructions without chemical wood preservatives (DIN 68800) are supported with the ALUJET Climajet SD5

Area of application

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Technical data

Test	Standard	Unit	Value
Reaction to fire	DIN EN 13501-1		E
Sd-Value	EN 1931	m	5 (-2/+7)
Thickness	EN 1849-2	mm	ca. 0,4
Weight / mass	EN 1849-2	g	150 (-10/+15)
Tensile elongation longitudinal	EN 12311-1	N / 50 mm	>300
Tensile elongation transversal	EN 12311-1	N / 50 mm	>350
Elongation longitudinal	EN 12311-1	%	>10
Elongation transversal	EN 12311-1	%	>10
Tear resistance longitudinal	EN 12310-1	N	>250
Tear resistance transversal	EN 12310-1	N	>200
Temperature resistance		°C	-40 bis +80
UV-resistance (indoor use)		Monate	12
Watertightness (2kPa)	EN 1928		passed
Durability against artificial ageing	EN 1296 / EN 1931		passed
Straightness	EN 1848-2		passed
Resistance to impact load			
Resistance to air permeability	EN 12114	[m³/(m²·h·50Pa)]	0

Specification

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

Processing

Installation from the inside

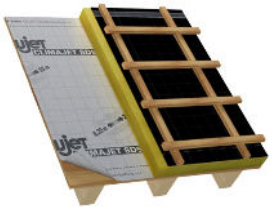
The ALUJET Climajet SD5 must be laid over a large area, with the fleece facing the insulating material side, on the "warm" side of the thermal insulation, fixed to the rafters with staples and fastened with the battens. The installation must be carried out without tension and shear forces. It can be laid transversely and parallel to the rafters. The longitudinal overlap must be carried out up to the printing of the sheet. Lateral overlaps of at least 200 mm must be observed. Vertical overlaps must always be carried out on a rafter. Bonding at overlaps, penetrations and window connections must be made airtight using ALUJET Difutape or ALUJET Alusan. The ALUJET pipe collar and the ALUJET cable collar are also available for penetrations. Connections to existing components are bonded with ALUJET Dichtjet or ALUJET Allfixx. When using mat and board-shaped insulating materials (e.g. due to the weight of the insulating material), tensile loads on the adhesive tape joints are to be expected, so additional support battens may be required on the overlap bonding.

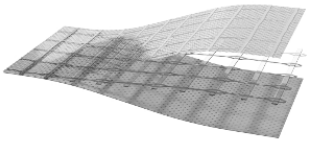
Processing for renovation from the outside

The ALUJET Climajet SD5 is laid over the rafters from the outside, with the fleece facing the rafters. Overlaps and penetrations must be made airtight with ALUJET Difutape. The ALUJET pipe collar and the ALUJET cable collar are also available for penetrations. When laying, ensure that longitudinal overlaps are made up to the dashed overlap line of the membrane. Side overlaps of at least 200 mm must be observed. The eaves connections are made using ALUJET Allfixx (eaves beam, wall bench or masonry), bonded and mechanically fixed with a pressure lath. The entire roof structure and the connections must be taken into account to ensure that the vapour barrier functions properly. A corresponding additional insulation layer must be taken into account.

Installation under on-roof insulation

The ALUJET Climajet SD5 is laid parallel to the eaves without tension. The fastenings are made in the concealed area using staples or clout nails. The overlap as well as the sealing of the penetrations is carried out with ALUJET Difutape. The ALUJET pipe collar and the ALUJET cable collar are also available for penetrations. Connections to rising components (e.g. chimney; gable wall) are bonded using ALUJET Allfixx.

		
Fig. 3: Application from the inside	*Fig. 4: Refurbishment*	*Fig. 5: Under on-roof insulation*

	
Fig. 6: with blown-in insulation	*Fig. 7: Layer illustration*

Storage

At room temperatures, protected against UV radiation.

System-components

ALUJET Underlay and underlay membranes; ALUJET Difutape; ALUJET Alusan; ALUJET Dichtjet; ALUJET Allfixx; ALUJET Sprühfixx; ALUJET Rohrmanschette; ALUJET Kabelmanschette.

DGNB

The product qualifies for use in all DGNB new-build projects up to the highest "Platinum" award level. This is confirmed by the independent Sentinel Haus Institute, which has tested the product in accordance with the requirements of DGNB specification ENV1.2 "Risks to the local environment" (version 2023). Due to the very good product properties with regard to the pollutant content, no additional verification documents are required for DGNB certification.

Notes

CE
23
EN 13984
Leistungserklärung Nr.
LE 10058-000-2313

Our instructions for use, processing guidelines, product or performance specifications and other technical statements are only general guidelines; they only describe the quality of our products (value specifications/determination at the time of production) and services and do not constitute a guarantee within the meaning of §443 BGB. Due to the variety of intended uses of the individual product and the respective special conditions (e.g. processing parameters, material properties, etc.), the user is responsible for his own testing; our free technical application advice in word, writing and testing is of a non-binding nature..* indoors; ** request our ALUJET warranty.