ALUJET Rainguard

Product discription

The multifunctional protective membrane with vapour barrier function for timber construction. The ALUJET Rainguard is used to sustainably protect timber elements and timber modules from moisture during transport, storage and assembly on the construction site. In addition to many advantages that can be attributed to wood and wood-based materials, the following must be taken into account: if wood is directly or indirectly exposed to moisture over a longer period of time, damage, mould and deformation will occur.

Fig. 1: ALUJET Rainguard 1500

Fig. 2: ALUJET Rainguard 375

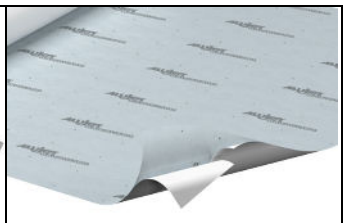

Fig. 3: ALUJET Rainguard 1500

Product-benefits

Fully self-adhesive; protects against rain and moisture; suitable during transport, storage, construction phase; 12 weeks outdoor exposure; diffusible; quick application; resistant; very high adhesive strength

Special strength

The 12-week outdoor exposure period ensures protection of the timber structures, timber elements and timber modules even if construction progress is slow.

Area of application

ALUJET Rainguard is used to protect timber elements and timber modules against moisture.

Technical data

Gesamtaufbau	**Standard**	**Unit**	**Value**
Resistance to fire	DIN EN 13501-1		E
Sd-Value		m	ca. 7,8
Weight / mass		g	ca. 175
Watertightness	EN 1928		Passed
Temperature resistance		°C	-40 bis +80
Processing temperature		°C	>5
Outdoor weathering		Wochen	12

Adhesive	**Standard**	**Unit**	**Value**
Adhesive			acrylate
Covering material			PP-silicone film
Adhesive strength	ISO 29862	N / 25 mm	approx. 10 or fleece break

Carrier material	**Standard**	**Unit**	**Value**
Material			Polypropylen fleece
Tensile elongation longitudinal	EN 12311-1	N / 50 mm	>125
Tensile elongation transversal	EN 12311-1	N / 50 mm	>85
Elongation longitudinal	EN 12311-1	%	60 - 100
Elongation transversal	EN 12311-1	%	60 - 100
Tear resistance longitudinal	EN 12310-1	N	60 (+15/-10)
Tear resistance transversal	EN 12310-1	N	70 (±10)

Specification

Width:	1.500 mm	375 mm
Length:	50 m	50 m

Processing

The substrate must be cleaned before laying the ALUJET Rainguard. The substrate must be stable, dry, dust-free and grease-free.

The sheet is then unrolled and aligned with the markings on the substrate. Now roll the ALUJET Rainguard back almost all dhe way back again completely without changing the roll alignment.

Fig. 4 – The protective liner on the back is slit once. First remove the wide protective liner from the ALUJET Rainguard to create the first basic fixing of the start of the roll by rubbing or rolling it onto the surface. Now roll the roll back completely.

Fig. 5 – Now the wide protective liner can be removed and the ALUJET Rainguard is rubbed onto the substrate (e.g. with a water squeegee) and fixed in place.

Fig. 6 –The narrow protective liner remains on the membrane until the longitudinal overlap is bonded. The longitudinal overlaps must be at least 10 cm wide.

Fig. 7 – For prefabricated elements and modules, the joints are sealed on site with the

ALUJET Rainguard with a width of 375 mm.

Fig. 8 – Connections to rising components (mineral) are realised with ALUJET Difutape 100 or 150 mm. Mineral substrates must be primed with ALUJET Sprühfixx.

Fig. 9 – Connections to rising components (smooth wood or wood-based materials) are realised with ALUJET Difutape 100 or 150 mm. Depending on the condition of the wood, pre-treatment with ALUJET Sprühfixx may be necessary.

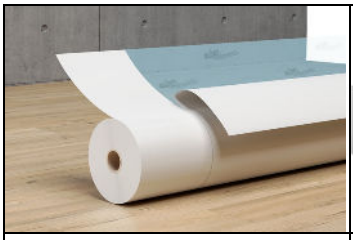

Fig. 4: Releasing the protective liner and aligning the sheet

Fig. 5: Unrolling the sheet and removing the protective liner

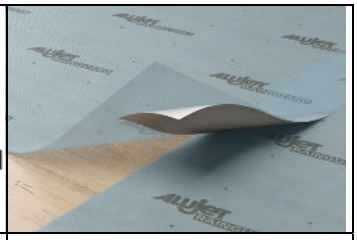

Fig. 6: Overlap bonding

Fig. 7: Joint overlap for panels and modules

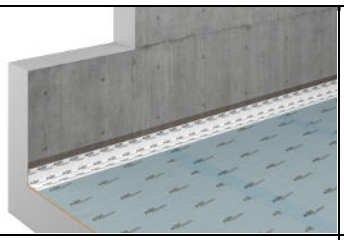

Fig. 8: Connection to concrete

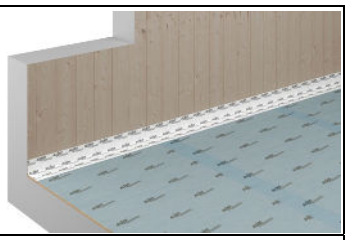

Fig. 9: Connection to timber

Storage

Without exposure to UV radiation, this could permanently reduce the properties of the material.

System-components

ALUJET Difutape; ALUJET Sprühfixx.

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