

ALUJET Rooftop TPU

Product description

- ▶ The ALUJET Rooftop TPU is a diffusionopen underlay and sarking membrane. A pure polyester fleece is used as the carrier material. In combination with the TPU coating in grid embossing, the ALUJET Rooftop TPU can also be used for rainproof roof-support system. The requirements of CE EN 13859-1, CE EN 13859-2 and the latest ZVDH guidelines are met.

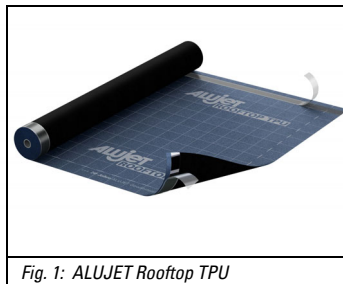


Fig. 1: ALUJET Rooftop TPU

Product benefits

- ▶ Nail sealant in accordance with ETA; Reaction to fire Class B; diffusion-open; fall-through-proof according to GS Bau-18**; for a rainproof roof-support system; temperature resistance 110°C; polyester fleece with extra strong TPU coating; 20 years ALUJET warranty***; suitable for temporary roofing; sealing lip approx. 20 mm therefore no capillary infiltration possible; straight cut and easier laying due to grid embossing; stable polyester fleece therefore easier to pull over the rafters.

Area of application

- ▶ For universal use on sheathed and unsheathed pitched roofs. Possible as an additional measure of class 3 (ZVDH) without nail sealing material.

Technical data

Test	Standard	Unit	Value
Reaction to fire	EN 13501-1 / EN 11925-2	class	B-s1, d2
Weight / mass	EN 1848-2	g / m ²	210 (±20)
Temperatur resistance		°C	-40 bis +110
Processing temperature		°C	from -5 upwards
Water resistance	EN 20811	mm	≥ 3.000
Sd-Value	EN 12572 / EN 1931	m	0,15 (±0,05)
Resistance to Waterpenetration	EN 1928 / EN 13111	---	W1
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	390 (±60)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	430 (±80)
Elongation longitudinal	EN12311-1 / EN 13859-1	%	42(±20)
Elongation transversal	EN12311-1 / EN 13859-1	%	49 (-20/+65))
Tear resistance longitudinal	EN12310-1 / EN 13859-1	N	252 (-70 / +80)
Tear resistance transversal	EN12310-1 / EN 13859-1	N	208 (-50 / +60)
Cold bending behaviour	EN 1109 / EN 495-5	°C	-30
Ö-Norm: B3661 / table 5/4119 / paragraph 6.1.2			Type I
ZVDH product data sheet		Table 1	UDB / USB
In accordance with ETA-25/1233	EAD 030218-01-0402		Nail tight
UV-resistance*		Month	5
Temporary roofing*		Weeks	16
Resistance to air permeability	EN 12114 EN 13859-2	[m ³ /m ² .h bei 50 Pa]	<0,04

Test After aging	Standard	Unit	Value
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	345 (-60 / +80)
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	385 (-80 / +100)
Elongation longitudinal	EN 13859-1 / Beilage C	%	37 (-20/+40)
Elongation transversal	EN 13859-1 / Beilage C	%	42 (-20/+40)
Resistance to water penetration	EN 13859-1 / Beilage C	---	W1

Processing

The ALUJET Rooftop TPU is laid parallel to the eaves without tension. The fastening is carried out in the concealed area by means of staples or wide-headed pins above the adhesive strip. The sealing between the overlap is carried out adhesive zone on adhesive zone.

Non-ventilated roof structure:
The membrane is laid over the ridge vertex.

Ventilated roof structure:
The membrane ends approx. 30 mm below the ridge vertex and is covered with an approx. 60 cm wide shroud stretched on the counter battens for ventilation and rain-proofing purposes.

To make the construction rainproof (rainproof roof-support system), the overlaps and penetrations must be glued. No additional nail sealant is required on a fully covered, pressure-resistant and level substrate. If the covering is not fully covered or if the formwork boards are of varying thicknesses, additional nail sealant is required. In the eaves area, the membrane ends on the eaves flashing or below the eaves board. The sheet must not protrude from the structure. We recommend that the sheet be professionally bonded to the eaves and drip sheet. At the verge, the ALUJET Rooftop TPU is guided outwards as far as possible, led up under the last counter batten and fastened. The latest version of the rules of the German roofing trade apply. Subject to change without notice.

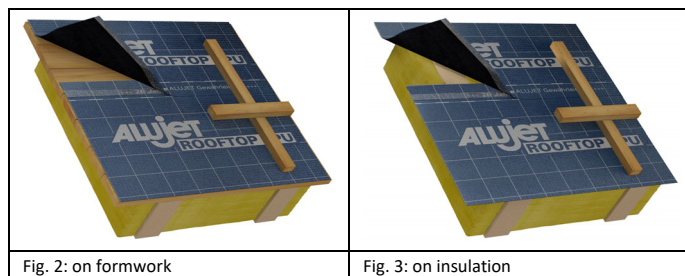


Fig. 2: on formwork

Fig. 3: on insulation

Specification

Roll width: 1.500 mm
 Roll length: 50 m
 Roll content: 75 m²
 Palette content: 20 rolls

System-components

▶ In order to ensure the function of ALUJET Rooftop TPU and to meet the requirements for a rainproof roof-support system, we recommend ALUJET products for overlap bonding (ALUJET Difutape; ALUJET Difiutape BLACK), nail sealing optional (ALUJET Nageldichtung PE) and connection to rising building components (ALUJET Allfixx). And also the Produkts ALUJET Sprühfixx; ALUJET Kabelmanschette; ALUJET Rohrmanschette. Provided that it is processed correctly, the membrane is suitable for temporary roofing**.

Storage

▶ Ohne Einwirken von UV-Strahlung, da hierdurch die Eigenschaften des Materials dauerhaft reduziert werden könnten.

DGNB

▶ As an independent third party, the Sentinel Haus Institut confirms the conformity of the product with the requirements of the DGNB profile ENV1.2 "Risks for the local environment" (version 2023). No criteria for the avoidance of pollutants are currently defined by the DGNB for this product type, so no evidence needs to be provided. The product is therefore suitable for use in all DGNB new-build projects.

Hinweise

<p>20 EN 13859-1 / 13859-2 Leistungserklärung Nr. LE10050-000-2015</p>			
	<p>ETA-25/1233</p>		

ALUJET Rooftop TPU is not a roofing material for permanent outdoor use in terms of waterproofing and tear resistance and must therefore be covered promptly after installation. The information is based on our current knowledge and experience. They do not exempt the user from carrying out his own tests and trials, as the multitude of possible influences during processing and application are beyond our control. *At Central European temperatures. **Please observe the separate processing instructions. ***Request our separate warranty letter..