

ALUJET Floorjet ALU 2SK

Manufacturer ▶ ALUJET GmbH; Ahornstraße 16; 82291 Mammendorf

Product description ▶ The ALUJET Floorjet ALU 2SK meets the requirements of DIN EN 13969:2004+A1:2006. The membrane is used as a heat-reflecting, cold-seal self-adhesive sealing membrane for sealing floor plates of buildings against rising moisture (load case in accordance with W1.1-E and W1.2-E in accordance with DIN 18533-1), for sealing screed constructions. Usability is verified by compliance with the requirements set down in DIN EN 13969 and due consideration of the type of building with a Expert opinion (gutachterliche Stellungnahme No. 1204/440/23, MPA-Braunschweig).



Fig. 1: Floorjet ALU 2SK

Construction	Layer	Material
	Top	Aluminum composite foil and removable seam strip
	Inlay	Glass mat
	Topcoat	Polymer-bitumen
	Bottom	Release film and removable seam strip

Product benefits ▶ Impervious to vapours sd -Wert >1500m; flexible and adaptable; no open flame necessary; 50% tested heat reflection; extremely robust; quick to use; double-sided adhesive strip.

Area of application ▶ On the basis of the assessment of the properties determined in accordance with Section 2.1 of the General Building Inspectorate Test Certificate No. P-5113/794/11-MPA-BS and the application-specific boundary conditions, the ALUJET Floorjet Reflex waterproofing membrane can be used as a sheet according to DIN V 20000-202 Table 1, line 4 (application type BA) for building waterproofing of floor slabs against rising damp or building moisture according to W1.1-E and W1.2-E according to DIN 18533-1. The following specifications of the processing apply.

The ALUJET Floorjet ALU 2SK can also be used as a waterproofing membrane for the waterproofing of floor slabs on mezzanine ceilings. The building physics conditions as well as on-site specifications are to be considered here.

Specification ▶

Width:	1.000 mm
Length:	30 m
Pallet content:	20 rolls

Technical data

Properties according to DIN EN 13969		Test	Unit / Type of results	Manufacturer value
5.2	Visible defekts	EN 1850-1	no visible defekts	No visible defekts
5.3	Length	EN 1848-1	[m] MLV	≥ 40,0 m
5.3	Width	EN 1848-1	[m] MLV	≥ 1,00 m
5.3	Straightness	EN 1848-1	[mm] ≤20mm passed	≤ 20 mm / 10 m
5.4	Weight / mass	EN 1849-1	[g / m²] MDV	900 g/m² ± 10 %
5.4	Thickness	EN 1849-1	[mm] MDV	Total strength 0,9 mm ± 10 %
5.5	Waterproof to water in liquid phase	DIN EN 1928 Method A	[-] passed	Method B passed
5.6	Resistance to impact load	EN 12691 Verf. A und B	[mm] MLV	KLF
5.7.1	Durability of water resistance against artificial aging	EN 1296 und EN 1928 Method B	[-] passed	passed
5.8	Cold bending behaviour	EN 1109	[°C] MLV	≥ -20°C
5.9	Tear resistance	EN 12310-1	[N] MDV	KLF
5.10	Shear resistance of the joint seams	EN 12317-1 Test specimen 50 x 360 mm v = 100 mm / min Free clamping length 200mm Test climate: DIN EN ISO 291-23 / 50-250014-23 / 50-2	[N / 50 mm] MDV	220 ± 50
5.11	Sd-Value	EN 1931	[m] und [kg/m²·s] MDV	so ≥ 1500 m (+30%/-0%) g= 1,3 · 10 ⁻¹⁰ _± 30%
5.12	Resistance to static load	EN 12730 Method B	[kg] MLV	KLF
5.13	Tensile elongation longitudinal transversal	EN 12311-1	[N / 50 mm] MDV	Längs: 475 ± 75 Quer: 340 ± 50
5.7.2	Durability to chemicals - waterproofness	EN 1847 und EN 1928	[-] passed	passed
5.13	Elongation longitudinal transversal	EN 12311-1	[%] MDV	Längs: 3 ±2/-1 Quer: 3 ±1
5.14	Reaction to fire	EN 13501-1	[-] Class E	Class E

Processing

- ▶ The substrate must be pressure-resistant and even, and must have no pockets, ridges, pointy protrusions and contaminants that will damage the membrane.

The ALUJET Floorjet ALU 2SK must always be installed securely between the floor panel and the directly installed screed, between the floor panel and the directly installed insulation (floating screed), between the height compensation (such as levelling screed, bonded filling) and the overlying insulation (floating screed) or between the insulation and the directly installed screed.

The ALUJET Floorjet ALU 2SK is laid loosely on the even substrate with the bitumen side facing downwards and with a membrane overlap along the side laps of around 10 cm. The release liner is peeled off the cold self-adhesive edge strip and the side laps are pressed with a pressure roller.

Butt joints or end laps are produced by laying the membranes end to end. The lap areas are taped over using a 20 cm wide ALUJET Anschlussstreifen (structure: compound aluminium foil with a cold self-adhesive polymer bitumen layer) with the lap area in the centre.

Junctions and transitions to penetrations or rising components are executed using a 20 cm wide ALUJET bonding strip with an overlap of around 10 cm in each instance.

When creating junctions and transitions with penetrations or rising components, the membrane can also be extended to the component (using the ALUJET Allfixx as a mounting tool, if necessary).

The ALUJET Floorjet ALU 2SK sealing membrane is installed close to the wall barrier membrane so that they overlap, or is bonded to the latter so that no moisture bridges can form, especially near plastered surfaces.

Before continuing with the layered construction, perform a thorough visual inspection of the ALUJET Floorjet ALU 2SK sealing membrane and, if necessary, rectify any defects according to manufacturer recommendations. Additional layers can be installed immediately after approval is given.

Sealing under drywall systems

On top of the sealing membrane ALUJET Floorjet ALU, in the area where the drywall system is to be installed, the ALUJET Anschlussstreifen SPEED is to be glued to the membrane over the entire surface in the centre.

Before applying the drywall system, apply a bead of ALUJET Allfixx on the back of the UW-/CW-edge profile around the drill hole (without interruption). Alternatively, the ALUJET Allfixx can also be applied in the edge area of the UW-/CW-edge profile all around without interruption.

Now the UW-/CW-edge profile can be pressed directly onto the ALUJET Anschlussstreifen SPEED and the mechanical fastening can take place.

Storage

▶ The "ALUJET Floorjet ALU 2SK" is to be stored standing on the pallet. Moisture, UV radiation and heat should be avoided. The material should be transported from the warehouse to the construction site immediately before processing

Notes

 13 EN 13969 Leistungserklärung Nr. LE10026-000-1326		Factory production control Certificate No 1724-CPD-111201
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