

# ALUJET Floorjet Reflex

**Manufacturer** ▶ ALUJET GmbH; Ahornstraße 16; 82291 Mammendorf

**Product description** ▶ The ALUJET Floorjet Reflex 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 DIN 18195-4 and 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 general appraisal certificate (allgemeines bauaufsichtliches Prüfzeugnis) (abP no. P-5113/794/11-MPA-BS).



Fig. 1: ALUJET Floorjet Reflex

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;  $sd$ -value > 1500m; low emissions (tested according to AgBB); according to DIN EN 13213 3.4.1.2. - suitable for hollow floors; 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 DIN 18195 Part 4 as well as W1.1-E and W1.2-E according to DIN 18533-1. The following specifications of the processing apply.

The ALUJET Floorjet Reflex 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 defects	No visivle defects
5.3	Length	EN 1848-1	[m] MLV	≥ 30,0 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 / m <sup>2</sup> ] MDV	1100 g/m <sup>2</sup> ± 10 %
5.4	Thickness	EN 1849-1	[mm] MDV	Total strength 1,1 mm ± 10 %
5.5	Waterproof to water in liquid phase	DIN EN 1928 Method A oder B	[-] passed	Method B passed
5.6	Resistance to impact load	EN 12691 Verf. A und B	[mm] MLV	NPD
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	NPD
5.10	Shear resistance of the joint seams	EN 12317-1	[N / 50 mm] MDV	NPD
5.11	Sd-Value	EN 1931	[m] and [kg/m <sup>2</sup> ·s] MDV	$s_d \geq 1500$ m (+30%/-0%)( g= 1,3 · 10 <sup>-10</sup> ± 30%
5.12	Resistance to static load	EN 12730 Method B	[kg] MLV	NPD
5.13	Tensile elongation longitudinal transversal	EN 12311-1	[N / 50 mm] MDV	450 ± 50 350 ± 50
5.7.2	Durability to chemicals - waterproofness	EN 1847 und EN 1928	[-] passed	passed
5.13	Elongation longitudinal transversal	EN 12311-1	[%] MDV	3 +2,5/-1 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 Reflex 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 Reflex 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 Montagekleber BIT as a mounting tool, if necessary).

The ALUJET Floorjet Reflex 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 Reflex sealing membrane and, if necessary, rectify any defects according to manufacturer recommendations. Additional layers can be installed immediately after approval is given..

**Storage**

▶ The "ALUJET Floorjet Reflex" 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**

 1724-CPD-111201		Factory production control Certificate No. 1724-CPD-111201
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