ALUJET Floorjet Speed

Manufacturer

ALUJET GmbH; Ahornstraße 16; 82291 Mammendorf

Product discription

The ALUJET Floorjet Speed is a heat-reflecting, bitumen-free sealing membrane for sealing floor plates in contact with earth against soil moisture with an ECO certificate. Usability is verified by compliance with the requirements set down in DIN EN 13967 and due consideration of the type of building with a allgemeines bauaufsichtliches Prüfzeugnis (general appraisal certificate) (P-1200/271/15-MPA BS).

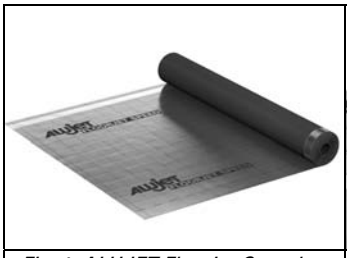

Fig. 1: ALUJET Floorjet Speed

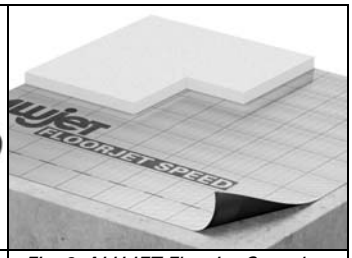

Fig. 2: ALUJET Floorjet Speed

Construction

Lage	Material
Top	Aluminum composite foil and removable self-adhesive strip
Inlay	PE coating / HDPE fabric / PE coating
Bottom	Polypropylene nonwoven and removable self-adhesive strip

Product benefits

ECO certificate; Heat-reflecting; Bitumen-free; Odour-neutral; Emission free; High tear strength; Extremely robust; Double-sided adhesive strip; Impervious to vapours; very flexible; no restoring forces; low weight; extremely fast installation because 1.50 m wide; Only scissors or cutter necessary for processing; according to DIN EN 13213 chap. 3.3.1.1. - Suitable for cavity floors.

Area of application

The ALUJET Floorjet Speed meets the requirements of DIN EN 13967:2012. The ALUJET Floorjet Speed is used as a sealing membrane for sealing floor plates of buildings against rising moisture (load case in accordance with DIN 18195-4 and also W1.1-E and W1.2-E according to DIN 18533-1), for sealing.

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

Specification

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

Storage

The ALUJET Floorjet Speed is to be stored horizontally or eye to sky 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.

System components

ALUJET Anschlussstreifen Speed; ALUJET Montagekleber WAL; ALUJET Allfixx; ALUJET Montagekleber BIT.

Technical data

Properties according to DIN EN 13967		Test	Unit / Type of results	Manufacturer value
5.3	Visible defekts	EN 1850-2	no visible defects	no visible defects
5.4	Length	EN 1848-2	[m] MDV	50 -0 / +1
5.4	Width	EN 1848-2	[m] MDV	1,50 m -0,007 / +0,021
5.4	Straightness	EN 1848-2	passed	passed
5.5	Weight / mass	EN 1849-2	[g / m²] MDV	218 ± 10 %
5.5	Thickness	EN 1849-2	[mm] MDV	Thickness 0,48 mm ± 0,06 mm
5.6	Waterproof to water in liquid phase	DIN EN 1928 procedure B Water pressure 2 kPa Test duration: 24 hours Additionally DIN EN 1928 Procedure B Water pressure 400 kPa Test duration: 72 hours	passed	passed
5.7	Resistance to impact load	EN 12691 Procedure A Underground Al plate Procedure B Underground EPS plate	[mm] MLV	≤ 500 mm falling height: sealed ≤ 800 mm falling height: sealed
5.8.1	Durability of water resistance against artificial aging	EN 1296 und EN 1928 Procedure B	passed	passed
5.8.2	Durability to chemicals - waterproofness	DIN EN 1847 EN 1928 Procedure B	passed	passed
5.9	Compatibility with bitumen	DIN EN 1847 Storage temperature: 23 ± 2 ° C Storage period: 28 days Test liquid: Ca (OH) 2 DIN EN 1928 - Procedure A Water pressure 60 kPa (0.6 bar) Test duration: 24 hours Test climate: DIN EN ISO 291-23 / 50-2	passed	passed
5.10	Tear resistance longitudinal transversal	EN 12310-1	[N] MLV	 ≥ 310 ≥ 330
5.11	Shear resistance of the joint seams	EN 12317-2	[N / 50 mm] MLV	Demolition outside the joint
5.12	Sd-Value	EN 1931 Procedure B Cliamate: 23-0/75	[m] MDV	2100 ± 600

5.13	Resistance to static load	DIN EN 12730 Procedure B Underground concrete load 20 kg sealed	[kg] MLV	≤ 20
5.14	Tensile elongation longitudinal transversal	DIN EN 12311-2 Procedure A V = 100 mm / min free clamping length 120 mm Test climate: DIN EN ISO 291-23 / 50-2	N / 50 mm MLV	 ≥ 560 ≥ 715
5.14	Elongation longitudinal transversal	DIN EN 12311-2 Procedure A V = 100 mm / min free clamping length 120 mm Test climate: DIN EN ISO 291-23 / 50-2	% MLV	 ≥ 20 ≥ 10
5.16	Reaction to fire	DIN EN ISO 11925-2 EN 13501-1	[-] Klasse E	Class E
	Processing temperature		°C	from -10 upwards

Processing

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

In case of horizontal application on a floor panel, the ALUJET Floorjet Speed 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), or 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 Speed is laid loosely on the even substrate with the fleece side facing downwards and with a membrane overlap along the side laps of around 10 cm. To this end, the membrane is brought right up to the dotted overlapping line. This ensures that the adhesive strips bond with each other. The release liner is peeled off the cold self-adhesive edge strip and the side laps are pressed with a pressure roller.

Individual membrane sections (side laps) can also be laid with a greater overlap. The side laps then can only be bonded onto the printed membrane surface with a self-adhesive strip and pressed down 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 the 20 cm wide ALUJET Anschlussstreifen SPEED(structure: compound aluminium foil with a modified acrylate dispersion) with the lap area in the centre.

Junctions and transitions to penetrations or rising components are executed using a 20 cm wide ALUJET Anschlussstreifen SPEEDwith 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 WAL mounting adhesive as a mounting tool, if necessary).

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

Fig. 3.1: Connection ALUJET Floorjet Speed to round penetrations

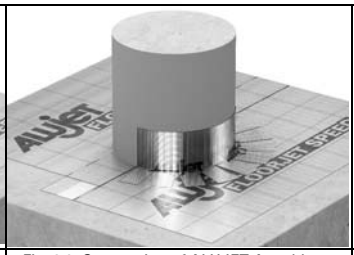

Fig. 3.2: Connection of ALUJET Anschluss-streifen SPEED to round penetrations

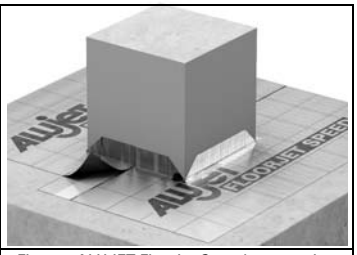

Fig. 4.1: ALUJET Floorjet Speed connection to square penetrations

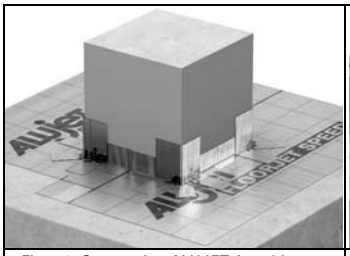

Fig. 4.2: Connection ALUJET Anschluss-streifen SPEED to square penetration

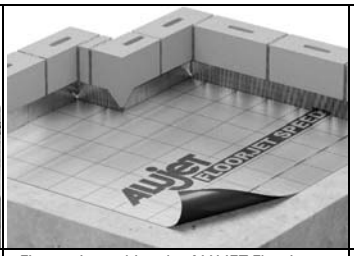

Fig. 5.1: Launching the ALUJET Floorjet Speed

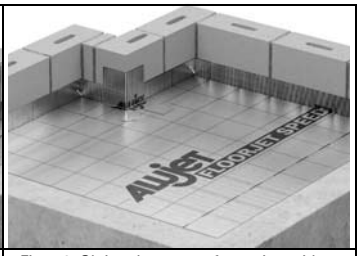

Fig. 5.2: Gluing the corner formation with the ALUJET Anschlussstreifen SPEED

Fig. 6.1: Fastening of pipelines with perforated strips

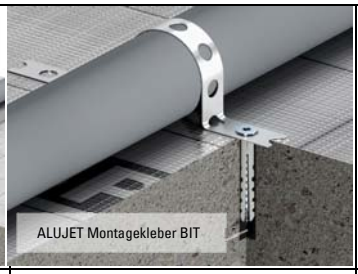

Fig. 6.2: Detail illustration Fastening with ALUJET Montagekleber BIT

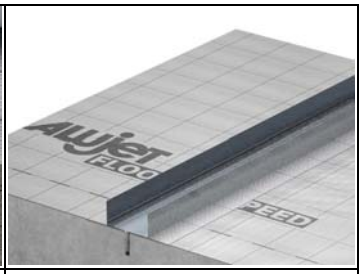

Fig. 7.1: Fastening of partition walls

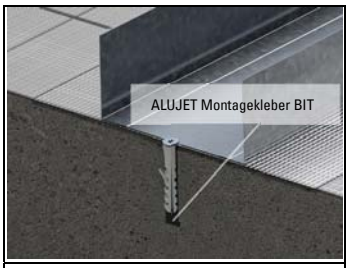

Fig. 7.2: Detail illustration Fastening with ALUJET Montagekleber BIT

Notes

CE 15 EN 13967		eco INSTITUT TESTED PRODUCT ID 0117 - 33679 - 001	Factory production control Certificate No. 1301-CPK-1113