

## ALUJET Dampfbremsbahn 250 µ

### Product description

- ▶ The ALUJET Dampfbremsbahn in a thickness of 250 µ is used as an air barrier and vapour barrier on pitched and flat roofs. The parameters prescribed by DIN 4108 are achieved thanks to the classification in fire rating E according to DIN EN 13501-1 and an sd value of >120 m.

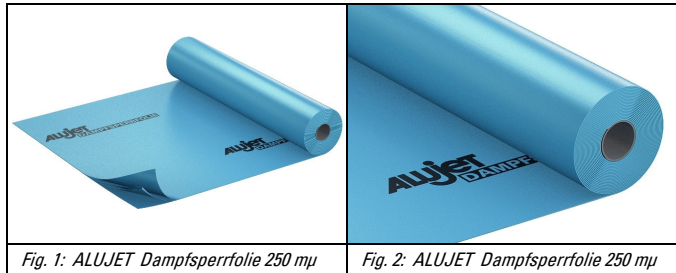


Fig. 1: ALUJET Dampfsperrfolie 250 µ

Fig. 2: ALUJET Dampfsperrfolie 250 µ

### Product benefits

- ▶ High material flexibility; inexpensive; low fire load; versatile and adaptable; high tear strength; meets the requirements of DIN 18234; extremely high tensile strengths.

### Area of application

- ▶ Vapour barrier/vapour check for internal use on pitched roofs and for use on the top chords of flat roofs.

### Technical data

Test	Standard	Unit	Value
Reaction to fire	EN 13501-1 / EN 11925-2	---	E
Density		g / cm <sup>3</sup>	0,94
water vapor permeability		g / m <sup>2</sup> d	< 0,35
Calorific value		kJ/m <sup>2</sup>	< 10.500
Sd-Value	EN 12572 / EN 1931	m	> 120
Tensile elongation longitudinal	EN12311-1 / EN 13859-1	N / 50 mm	≥ 187
Tensile elongation transversal	EN12311-1 / EN 13859-1	N / 50 mm	≥ 183
Elongation longitudinal	EN12311-1 / EN 13859-1	%	≥ 400
Elongation transversal	EN12311-1 / EN 13859-1	%	≥ 500
Tear resistance longitudinal	EN 12310-1	N	≥ 117
Tear resistance transversal	EN 12310-1	N	≥ 107
Dart Drop		g/mµ	≥ 2,0

### Specification

- ▶ Width: 4.000 mm      2.000 mm
- ▶ Length: 25 m      50 m
- ▶ Roll content: 100 m<sup>2</sup>      100 m<sup>2</sup>

### System components

- ▶ Pitched roof: ALUJET Difutape; ALUJET Alusan; ALUJET Alucral; ALUJET Dichtjet; ALUJET Allfixx.

Flat roof: ALUJET Super PE; ALUJET Super PE Plus.

**Verarbeitung**

**Pitched roof:**

The ALUJET Dampfbremsbahn is laid parallel to the rafters, starting at adjacent components (gable end).

It must be ensured that the ALUJET Dampfbremsbahn overhangs by about 20-30 cm in the area of adjacent components (gable end, knee wall, ridge purlin). Fastening of the vapour barrier film begins with the closest rafter to the gable end and is carried out by stapling at intervals of approx. 15 cm. This fastening is continued at each rafter.

It must be ensured that the ALUJET Dampfbremsbahn is installed without resulting in any tension. The overlaps at the end and beginning of the film should be positioned so that they are located directly on the rafters with an overhang of 10 cm. The ALUJET Dampfbremsbahn is not stabilised against UV rays.

When using mat and panel type insulation materials, tensile stresses on the adhesive tape joints are to be expected (e.g. due to the weight of the insulation material). Therefore, additional supporting battens may be necessary on the overlap bond.

**Flat roof:**

The ALUJET Dampfbremsbahn is laid parallel to the crowns of the profiled sheet. Side laps and end laps are arranged with an overlap of at least 8 cm. It is possible to fix the membrane to the substrate with the double-sided adhesive tape ALUJET Super PE.

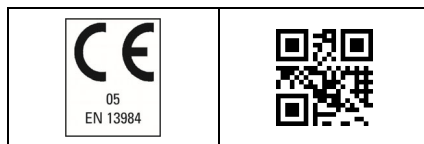
The overlaps are bonded on the crown by applying the ALUJET Super PE tape between the overlapping membranes using rollers or through compression.

To prevent faulty bonds, the ALUJET Dampfbremsbahn is applied without tensile and shearing forces.

**Lagerung**

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

**Hinweise**



Our instructions for use, guidelines for use, product and service information and other technical specifications only serve as a guide, they only describe the properties of our products (value specifications/determinations at time of production) and services and do not constitute guaranteed characteristics. Owing to the wide-ranging areas of application of the individual products and the particular conditions (e.g. usage parameters, material properties etc.), it is incumbent on the user to test our products. Our applications engineering consulting - whether verbal, in writing or by way of tests is offered free of charge and is not legally binding.