

ALUJET Optima FD

Product description

- ▶ ALUJET Optima FD is designed for use on trapezoidal roofs and flat roofs. The requirements of both DIN 4108-7 and DIN 18234-1 and 2 are met. Through the use of an aluminium compound, the ideal membrane for large areas was created due to its low weight, a large curling length, a width of 1.50 m and high tear strength.

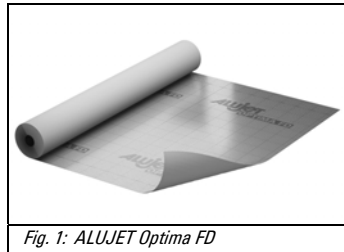


Fig. 1: ALUJET Optima FD

Product benefits

- ▶ E according to EN 13501-1; calorific value <10.500 kJ/m; Impervious to vapours (Sd-Value > 2.000 m); waterproof at 60 kPa; High tear strength; quick to use; High coverage width.

Area of application

- ▶ ALUJET Optima FD is designed for use on flat roofs and trapezoidal roofs.

Specification

Width:	1.500 mm
Length:	134 m ± 1 m
Roll content:	200 m ²
Pallet content:	40 rolls

Technical data

Test	Standard	Unit	Value
Width	EN 1848-2	m	1,50 (± 0,5 cm)
Length	EN 1848-2	m	134 m (± 1 m)
Weight / mass	EN 1848-2	g / m ²	116 (± 10 %)
Reaction to fire	EN 13501-1	---	E
Colorific value	DIN EN ISO 1716	kJ/m ²	< 10.500
Waterproof to water in liquid form	EN 1928	60 kPa	bestanden
Sd-Value	EN 1931	m	≥ 2.000 m
Wasserdampfdurchlässigkeit	EN 1931	g/m ² d	0,01 (-0,005/+0,01)
Tensile elongation longitudinal	EN12311-2	N / 50 mm	> 260
Tensile elongation transversal	EN12311-2	N / 50 mm	> 210
Elongation longitudinal	EN12311-2	%	> 15 (-5/+20)
Elongation transversal	EN12311-2	%	> 10 (-5/+25)
Tear resistance elongation	EN12310-1	N	> 115 (-25/+50)
Tear resistance transversal	EN12310-1	N	> 125 (-35/+70)
Resistance to impact load	EN 12691	mm	>250
Compatibility with bitumen	EN 1548 / EN 1925		bestanden
Durability against artificial aging	EN 1296 / EN 1928		bestanden
Durability against chemicals	EB 1847 / EN 1928		bestanden
Resistance to static load	EN 12730	kg	>20

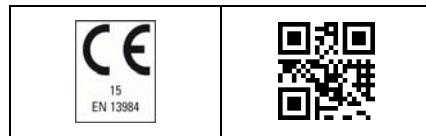
Processing

▶ The ALUJET Optima FD is laid parallel to the crowns of the profiled sheet. End laps and side 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 by taping the ALUJET Super PE or over the crown on the overlap using rollers or through compression. Damaged areas are taped over using the ALUJET A2-Tape 1517. To prevent faulty bonds, the ALUJET Optima FD is applied without tensile and shearing forces. The ALUJET Optima FD does not meet temporary sealing requirements.

Storage

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

notes



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.