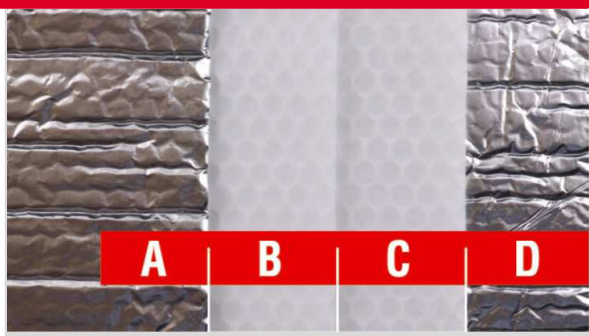
Aluthermo®-Technical data sheet

7mm 12µ



HOW DOES IT WORK ?

The 7mm 12µ is composed of the following successive layers :

A. A film of pure aluminium, 12 microns thick, treated against oxidation
B. A layer of bubbles of dry air enclosed in self-extinguishing polyethylene
C. A layer of bubbles of dry air enclosed in self-extinguishing polyethylene
D. A film of pure aluminium, 12 microns thick, treated against oxidation

The 7mm 12µ is a thin, multi-reflector insulation composed of two layers of pure aluminium 12-microns thick, polished and treated against oxidation separated by two layers of air bubbles placed in a honeycomb structure and enclosed in a self-extinguishing polyethylene film.

APPLICATIONS

- Supplementary insulation, vapour barrier

TECHNICAL CHARACTERISTICS

Thickness	7 mm (EN823)
Thickness of the polyethylene film	150 microns
Number of aluminium films	2
Thickness of the outer aluminium film	12 microns
Dimensions of the roll	1,25 x 25 m (EN822)
Surface area per roll	31,25 m²
Weight	373 g/m² (+- 13%)
Operating temperature range	-40°C to +80°C
Fire resistance classification	Ds2 d0
Number of layers of bubble	2
Emissivity	0,03
Thermal resistance	R = 0,20 m².K/W
Equivalent thermal resistance between 2 air gaps of 20 mm not ventilated :	EN ISO 6946
Horizontal flux	R = 1,50 m².K/W
Vertical flux	R = 1,10 m².K/W

ADVANTAGES

- Easy to install as it is thermally-welded across its entire surface
- No shrinkage and rotproof
- Durable as pure aluminium

MADE IN BELGIUM