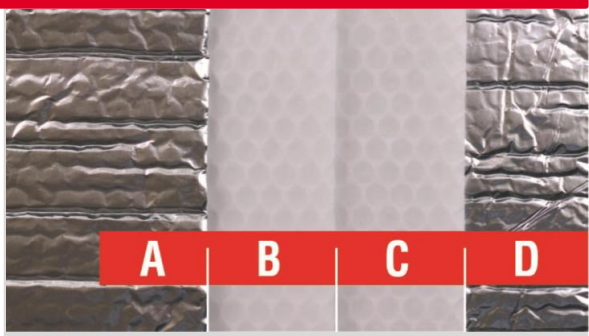
Aluthermo®-Technical data sheet

21 MM



HOW DOES IT WORK ?

ALUTHERMO 21 MM is composed of the following successive layers :

A. A film of pure aluminium, 30 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, 30 microns thick, treated against oxidation

Aluthermo® 21 MM is an insulating material that works by reflection and consists of two layers separated by a honeycomb structure of air bubbles enclosed in a self-extinguishing polyethylene film, which is covered on both sides by a 30-micron thick foil of pure aluminium that has been polished and treated against oxidation.

TECHNICAL CHARACTERISTICS

Thickness	21 mm
Diameter of the bubbles	30 mm
Height of the bubbles	12 mm
Thickness of the polyethylene film	200 microns
Number of aluminium films	2
Thickness of the outer aluminium film	30 microns
Dimensions of the roll	1,25 x 25 m
Surface area per roll	31,25 m²
Weight	+- 620 g/m²
Operating temperature range	-40°C to +80°C
Fire resistance classification	M1 – A1
Permissible load with 10% deformation	-
Permissible load with 20% deformation	-
Bursting resistance	-
Emissivity	0,05
Thermal resistance	See study of the university of Liège
Impact noise attenuation	-
Acoustic attenuation	Rrose = 27 dB(A) Rroad = 24 dB(A)

MADE IN BELGIUM

10 YEARS WARRANTY 10 YEARS

ECO-RESPONSIBLE

APPLICATIONS

- On the roof, from the outside
- On the roof, from the inside
- On the walls as cladding
- On the walls, from the inside
- Industrial buildings

ADVANTAGES

- Easy to install as it is thermally-welded across ist entire surface
- No shrinkage and rotproof
- Durable as pure aluminium
- 10-year warranty in association with Allianz Insurances