

HOW DOES IT WORK ?

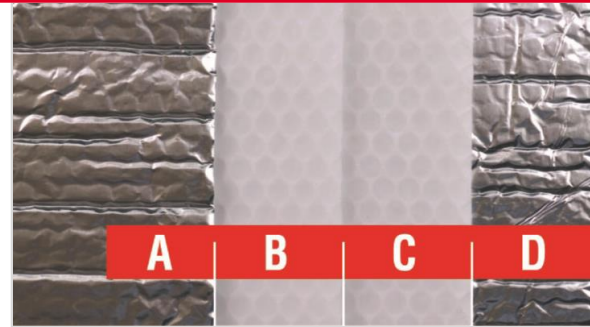
ALUTHERMO 7 MM is composed of the following successive layers :

- A film of pure aluminium, 30 microns thick, treated against oxidation
- A layer of bubbles of dry air enclosed in self-extinguishing polyethylene
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Aluthermo® 7 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	7 mm
Diameter of the bubbles	10 mm
Height of the bubbles	4 mm
Thickness of the polyethylene film	150 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 m ²
Weight	+/- 550 g/m ²
Operating temperature range	-40°C to +80°C
Fire resistance classification	M1 - A1
Permissible load with 10% deformation	250 kg/m ²
Permissible load with 20% deformation	-
Bursting resistance	1000 kg/m ²
Emissivity	0,05
Thermal resistance	See study of the university of Liège
Impact noise attenuation	-
Acoustic attenuation	ΔLw = 26dB



APPLICATIONS



- On the walls from the inside
- Under floorboards with air gaps
- Under raised "floating" wooden floor
- Under screed with/without floor heating
- Industrial buildings
- Supplementary insulation, vapour barrier

ADVANTAGES

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

