

Aluthermo®-Technical data sheet

ALUPHONIC®

HOW DOES IT WORK ? _____

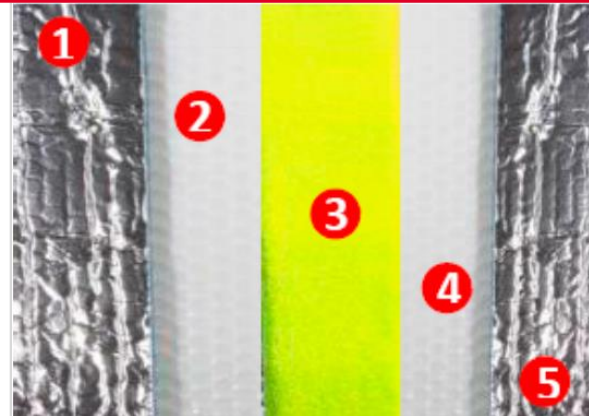
ALUPHONIC® is composed of the following successive layers :

1. A film of pure aluminium, 30 microns thick, treated against oxidation.
2. A layer of bubbles of dry air enclosed in self-extinguishing polyethylene.
3. A foam of self-extinguishing and waterproofed polyethylene.
4. A layer of bubbles of dry air enclosed in self-extinguishing polyethylene.
5. A film of pure aluminium, 30 microns thick, treated against oxidation.

ALUPHONIC® is a thin, multi-reflector insulation composed of two layers of pure aluminium 30-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 and a self-extinguishing and waterproof polyethylene foam. The various layer are thermally welded across its entire surface.

TECHNICAL CHARACTERISTICS _____

Thickness _____	10 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 polyethylene foam _____	3 mm
Thickness of the outer aluminium film _____	30 microns
Dimensions of the roll _____	1,20 x 20 m
Surface area of the roll _____	24,00 m²
Weight _____	+ - 670 g/m²
Operating temperature range _____	-40°C to +80°C
Emissivity _____	0,05
Fire resistance classification _____	A1
Equivalent thermal resistance _____	See study of the RWTH Aachen: www.aluthermo.be



APPLICATIONS _____



- On the roof, from the outside
- On the roof, from the inside
- On the walls, from the outside
- On the walls, from the inside
- For floors
- Industrial buildings

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

