

Aluthermo® - Technical data sheet

REVERSO

Lose a minimum of space and win a maximum of performance for the best possible EPC.

HOW DOES IT WORK?

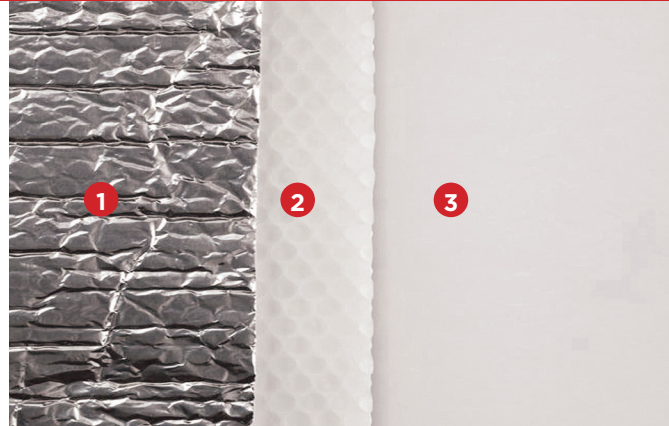
REVERSO is composed of the following compressible, successive layers:

- 1 a film of pure 30 microns thick aluminium, treated against oxidation
- 2 a layer of bubbles of dry air enclosed in polyethylene
- 3 a moisture-proof polyester fiber

The aluminium sheets reflect thermal radiation summer and winter, while the polyester wadding core and the dry, stable air trapped in the bubble film effectively slow the transfer of energy by conduction. This thin, high-performance insulation material also offers an impermeable barrier to moisture and is vapour proof.

TECHNICAL CHARACTERISTICS

Dimensions of the roll	1,20 x 10 m (± 2%)
Surface area per roll	12 m ²
Weight	± 780 g/m ²
Thickness	± 37 mm
Operating temperature range	-40°C tot +80°C
Fire resistance classification	F
Thermal core resistance	R = 0,95 m ² .K/W (EN 12667)
Thermal resistance in horizontal flux	R = 1.6 m ² .K/W (EN ISO 22097)
Thermal conductivity	λ = 0,037 W/(m.K) (EN 12667)
Emissivity	< 0,05 (EN ISO 22097)
Sd value	> 6000 m
Number of the aluminium films	1
Thickness of the polyester fiber	± 37 mm
Thickness of the outer aluminium film	30 micron



APPLICATIONS



- On the roof, from the inside
- On the walls from inside

ADVANTAGES

- EPC & LABC certified
- Insulation and vapour barrier all in one
- Easy to install
- Energy saving in winter
- Protection from overheating in summer
- No need for an unventilated air layer, direct installation against the insulation.
- Reduces thermal bridges

