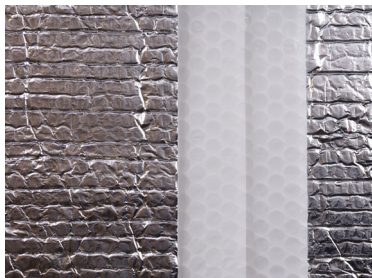


Aluthermo® 14mm:



Technical specification

Insulating material that works by reflection and consists of two layers separated by a honeycomb structure of air bubbles enclosed in a fireproofed (fire-retardant) 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.



The obtained complex is semi-rigid and consists of the following successive layers:

1. 99% pure aluminium film, 30 microns thick
2. Fire-retardant polyethylene film containing dry and stable air bubbles, diameter 18mm, height 8mm
3. Fire-retardant polyethylene film containing dry and stable air bubbles, diameter 18mm, height 8mm
4. 99% pure aluminium film, 30 microns thick

The various layers must be thermally welded together over their full surface areas.

Fire protection class: M1

Thickness: 14 mm

Weight: +/-550 gr / m²

Equivalent thermal resistance: $R = 3.795 \text{ m}^2 \cdot \text{K/W}$ according to the Report issued by the Liege University Thermodynamics Laboratory, entitled "Radiated heat exchange between two walls separated by reflective insulation" ("*Echanges de chaleur radiatifs entre deux parois séparées par un isolant réfléchissant*").