



Aluthermo® 7MM:

Specification sheet

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 10mm, height 4mm
3. Fire-retardant polyethylene film containing dry and stable air bubbles, diameter 10mm, height 4mm
4. 99% pure aluminium film, 30 microns thick

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

Fire resistance classification: M1 – A1

Thickness: 7 mm

Weight: $\pm 550 \text{ g/m}^2$

Permissible load: 250 kg/m^2 at 10% deformation