

## Aluthermo Quattro®:

### Specification sheet

Thin, multi-reflector insulation composed of two 30-micron thick outer layers of polished and antioxidation treated pure aluminium separated by two honeycombed layers of air bubbles enclosed inside a fire-retardant polyethylene film, together with two extra layers of pure aluminium foil and a fireretardant and water-repellent polyethylene foam.

The obtained complex is semi-rigid and consists 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 film of pure aluminium treated against oxidation
4. A foam of fire-retarding and waterproofed polyethylene
5. A film of pure aluminium treated against oxidation
6. A layer of bubbles of dry air enclosed in self-extinguishing polyethylene
7. A film of pure aluminium, 30 microns thick, treated against oxidation

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

Fire resistance classification: Bs1d0

Thickness: 10 mm

Weight:  $\pm 750 \text{ g/m}^2$

Permissible load:  $543 \text{ kg/m}^2$  at 10% deformation

$1232 \text{ kg/m}^2$  at 20% deformation