# Aluthermo<sup>®</sup>-Technical data sheet VAPREFLEX

## HOW DOES IT WORK ?\_\_\_\_\_

VAPREFLEX is composed of the following successive layers :

- A. A film of pure aluminium, 12 microns thick, treated against oxidation
- B. A layer of bubbles of dry air enclosed in self-extinguishing polyethylene
- C. A layer of bubbles of dry air enclosed in self-extinguishing polyethylene
- D. A film of pure aluminium, 12 microns thick, treated against oxidation

VAPREFLEX is a thin, multi-reflector insulation composed of two layers of pure aluminium 12-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.

## TECHNICAL CHARACTERISTICS\_\_\_\_\_

Thickness	7 mi
Thickness of the polyethylene film	150
Number of aluminium films	2
Thickness of the outer aluminium film	12 m
Dimensions of the roll	1,25
Surface area per roll	(EN) 31,25
Weight	373
Operating temperature range	-409
Fire resistance classification	Ds2
Number of layers of bubble	2
Emissivity	0,05
Thermal resistance	R =
Equivalent thermal resistance between 2 air gaps of 20 mm not ventilated :	EN I
Horizontal flux	R = 1
Vertical flux	_



7 mm (EN823)
150 microns
2
12 microns
1,25 x 25 m (EN822) 71 25 m²
51,25 m²
373 g/m² (+- 13%)
-40°C to +80°C
Ds2 d0
2
0,05
R = 0,20 m <sup>2</sup> .K/W
EN ISO 6946
R = 1,50 m².K/W

R = 1,10 m².K/W



### APPLICATIONS\_\_\_\_\_



 Supplementary insulation, vapour barrier

### ADVANTAGES\_

- Easy to install as it is thermallywelded across its entire surface
- No shrinkage and rotproof
- Durable as pure aluminium
- 10-year warranty in association with Allianz Insurances

