

# Spacetherm<sup>®</sup> AI

## DESCRIPTION

Spacetherm AI is a non combustible, flexible, high performance aerogel based insulation material used for exterior and interior applications.

The product can be used to optimise the thermal performance and fire properties of façade systems in a number of ways, such as enhancing the thermal performance of the ventilated façade, and also addressing cold bridging in the façade. Spacetherm AI is also useful in minimising thermal bridges in areas such as window reveals and roller shutter cases.

## THERMAL CONDUCTIVITY TABLE

Degrees C	Thermal Conductivity (W/mK)
0°C	0.015
23°C	0.0195



Spacetherm AI

## KEY FEATURES

- Non Combustible (AI)
- Excellent Thermal Conductivity
- Low dust emissions
- Durable
- Versatile

## SPACETHERM AI TECHNICAL DATA

Thickness	-	5/10mm
Operating temperature		-100°C - 650°C
Colour		White
Weight		184 kg/m <sup>3</sup>
Hydrophobic		Yes
Dust level		Low
EU and UK Fire Test	BS EN 13501-1	AI - Non-combustible
Thermal Conductivity @ 23°C	BS EN 13162	0.0195 W/mK
Dimension (thickness)	BS EN 823	10.5mm
Dimension Stability (length and width)	BS EN 1604	Δ <0.2%
Compressive Strength	BS EN 826	37 kPa
Water Absorption (24hr)	BS EN 1609	0.01 kg/m <sup>2</sup>
Water Absorption (28 days)	BS EN 12087	0.012 kg/m <sup>2</sup>
Water Vapour Transmission	BS EN 12086	242 g/m <sup>2</sup> per day
Tested during installation and removal for dust and Crystalline Silica	Occupational Hazard Dust Measurements	Pass within occupational exposure limits