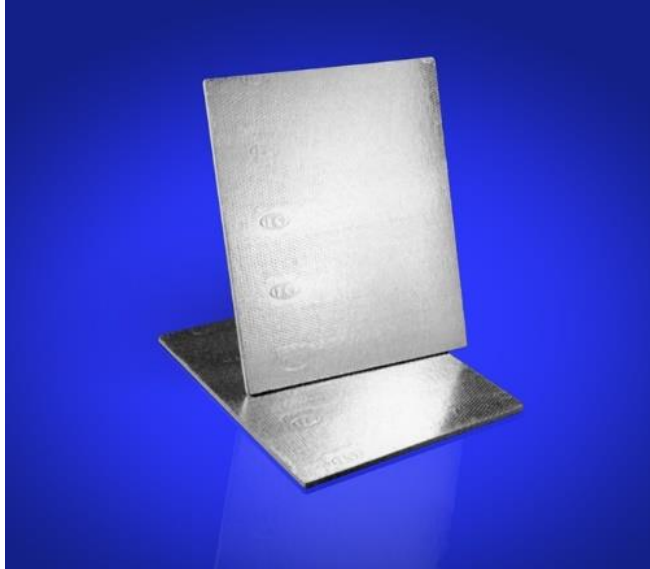


## Superwool® Plus Aluboard



### Description

Superwool® Plus™ Aluboard is made from Superwool® Plus™ fibres, mineral fibres and a small amount of organic binders which will burn out on first firing at approximately 200-300°C. A thin aluminium foil is glued on the surface.

Due to the high fibre content, Superwool® Plus™ Aluboard is strong, lightweight and thermal shock resistant.

### Type

Panels for insulation and thermal protection, screens to reflect the heat.

### Classification Temperature

600°C on the aluminium foil side. The board has a classification temperature of 800°C.

### Features

- Low thermal conductivity: which reduces heat loss through the insulation wall & allows reduction of wall thickness
- Good thermal shock resistance
- Uniform thickness, close dimensional tolerances
- Homogeneous structure, easy to machine
- Excellent mechanical properties, easy to handle
- Lightweight, low heat storage

SUPERWOOL® is a patented technology for high temperature insulation wools which have been developed to have a low bio persistence (information upon request). This product may be covered by one or more of the following patents, or their foreign equivalents:- SUPERWOOL® PLUS™ products are covered by patent numbers:- US5714421, US5994247, US6180546, US7259118, and EP0621858. SUPERWOOL® 607HT™ products are covered by patent numbers:- US5955389, US6180546, US7259118, US7470641, US7651965, US7875566, EP0710628, EP1544177, and EP1725503. A list of foreign patent numbers is available upon request to The Morgan Crucible Company plc.

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## Superwool® Plus Aluboard

Main properties		
Classification Temperature	°C	600
Properties measured at ambient conditions (23°C/50% RH)		
Colour		white/tan
Density	kg/m <sup>3</sup>	340
Modulus of rupture	MPa	1.0
Compressive stress at 10% relative deformation	MPa	0.3
High temperature performance		
Loss on ignition (2 hours at 600°C)	%	6.0
Permanent linear shrinkage (ASTM C-356) after 24 hours isothermal heating at classification temperature:	%	6.0

Thermal conductivity (C-201): at mean temperature of:	
200°C	0.07
300°C	0.08
400°C	0.09
500°C	0.10

### Fire protection classification

- France M0 (PV CSTB n°RA 97-005)
- Germany A2 (DIN 4102)

### Availability & packaging

Standard dimensions: 1600mm x 900mm

Thickness: 25mm

Quantity of boards per palette: 36

Aluboard is packed in cartons or on palettes which are shrink wrapped with recyclable plastic.

The values given herein are typical values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

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