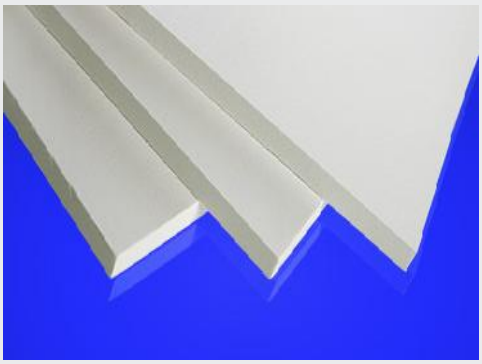
Superwool Plus Board

SDS: Aus 120 - Superwool Plus VFB & Shapes



Description

Vacuum Formed **Superwool Plus Boards** are produced from a blend of low bio-persistent fibres, fillers and binders to give rigid self-supporting forms.

Superwool Plus Boards are not wetted by most molten non-ferrous metals and show good resistance to thermal shock. Each board is finished with smooth edges for squareness and close tolerances.

They are a lightweight and rigid board that can be easily cut and shaped.

Superwool Plus Boards are an alternative to ceramic fibre boards in most applications up to their temperature rating.

FEATURES

- Thin board is easily die-cut and all boards can be cut with a hacksaw blade allowing precise shapes to be made
- Good thermal shock resistance allows use in applications where large variations in temperature occur
- Low heat storage capacity
- Can be used in direct contact with flame
- Very low thermal conductivity
- Exonerated from any carcinogenic classification under Note Q of Safe Work Australia (SWA), Hazardous Substances Information System (HSIS).

TYPICAL APPLICATIONS

- Thermal shielding and barriers, including splash protection
- Insulation back-up or support lining
- High temperature gaskets
- Combustion chamber, kiln and heater insulation
- Duct lining, including air conditioning ducts

MATERIAL PACKAGING

- Sheet Size (mm): 1000 x 610
- Thickness (mm): 6, 12, 25, 50

Note: Also available in rigidised form on request

PHYSICAL PROPERTIES

Classification Temp (ºC)	1100
Colour	Off White
Density (kg/m³)	320
Modulus of Rupture (MPa)	1.2
Compressive stress (MPa) At 10% reduction in thickness	0.25
Shrinkage @ 1100˚C for 24 hrs	1.6
Loss of Ignition After 2 hrs @ 800ºC	7

THERMAL CONDUCTIVITY

Mean Temp (ºC)	W/m.K
400	0.09
600	0.12
800	0.13
1000	0.20

Morgan Advanced Materials
Thermal Ceramics
30-36 Birralee Road,
Regency Park, SA 5010, Australia
P: +61 (8) 8243 5300