



# Superwool Plus Insulation Blanket



Superwool Plus Insulation Blanket is a soft, flexible insulating material that exhibits excellent thermal properties at elevated temperatures. Superwool has high thermal stability and retains its original fibrous construction at temperatures up to 1200°C. It is manufactured from pure raw materials using unique manufacturing technology to enhance its thermal properties and reduce large dust particles to make it less irritating during installation. They are made of Superwool Plus long fibres, needled from both sides, and contains neither binder nor lubricant, and will not emit any fumes or smell during the first firing. This grade of blanket and possess high strength before and after heating. and is easy to cut, shape and install. The maximum continuous use temperature depends on the application and is unaffected by most chemicals except strong alkalis, phosphoric acid, and molybdenum.

## Technical Data:

Property:	Typical Value:			
Colour	White			
Temperature Classification	1200°C			
Density, kg/m <sup>2</sup>	64	96	128	160
Thermal Conductivity, W/m K, ASTM C-201:				
at 200°C	0.06	0.05	0.05	0.04
at 400°C	0.11	0.09	0.08	0.07
at 600°C	0.18	0.14	0.12	0.11
at 800°C	0.29	0.21	0.18	0.16
at 1000°C	0.42	0.29	0.25	0.23
Tensile Strength, kPa, EN 1094-1:				
	30	55	75	90
Permanent Linear Shrinkage, ENV 1094-1:				
after isothermal heating at 1200°C	1% after 24 hours			
Chemical Composition:				
SiO <sub>2</sub>	62 - 68%			
CaO	26 - 32%			
MgO	3 - 7%			
Other Oxides	< 1%			

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Phone: 1300 098 060

Important

This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.



## Superwool Plus Insulation Blanket



Quality  
ISO 9001

### Features and Benefits:

- Exceptional thermal insulating performance
- Manufactured without binder or lubricant
- Low heat storage and good sound absorption
- Low thermal shock properties
- Resilient and good resistance to tearing
- Flexible and easy to use
- Meets the requirements of European Regulation 1272/2008, Note Q, no labelling requirements necessary for all Superwool Fibre products in Europe.
- No requirement for warning labels under Globally Harmonised System for the classification and labelling of chemicals.

### Applications:

- Duct and chimney insulation
- Furnace and kiln back-up insulation
- Transfer launder covers
- Process heater linings
- Pipe and valve wrap
- Annealing furnace linings
- Storage heater insulation
- Boiler and oven insulation
- Automotive exhaust heat shields

### Availability:

Superwool Plus Blanket is 610mm wide and available in the following sizes...

- 6mm thick: 128 kg/m<sup>3</sup> density, 13.42m<sup>2</sup> per carton.
- 10mm thick: 96 & 128 kg/m<sup>3</sup> densities, 11.28m<sup>2</sup> per carton.
- 13mm thick: 80, 96, 128 & 160 kg/m<sup>3</sup> densities, 8.93m<sup>2</sup> per carton.
- 19mm thick: 64, 96, 128 & 160 kg/m<sup>3</sup> densities, 5.95m<sup>2</sup> per carton.
- 25mm thick: 64, 96, 128 & 160 kg/m<sup>3</sup> densities, 4.46m<sup>2</sup> per carton.
- 38mm thick: 64, 96 & 128 kg/m<sup>3</sup> densities, 2.98m<sup>2</sup> per carton.
- 50mm thick: 64, 96 & 128 kg/m<sup>3</sup> densities, 2.23m<sup>2</sup> per carton.
- 80 kg/m<sup>3</sup> density and 1220mm wide rolls are also available on request.

AG keep a large range of flexible and rigid thermal insulation, as well as gasket material and specialised electrical products. For more information on these products and many more, please visit our website or call your nearest AG branch.

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