

## Datasheet

# Calcium-Magnesium Silicate Thermal Insulating Sheet 5m x 0.61m x 6mm

RS Stock number [724-8903](#)



### Description:

Superwool 607 HT Blanket is made of Superwool 607 HT long fibres. It exhibits outstanding insulating properties at elevated temperatures, has an excellent thermal stability and retains its original soft fibrous structure up to maximum continuous use temperature. Blanket contains neither binder nor lubricant and does not emit any fume or smell during the first firing. It is flexible, easy to cut & shape and easy to install.

- Excellent thermal insulating properties
- Thermal stability
- Low heat storage
- Flexible and resilient
- Immune to thermal shock
- No reaction with alumina based bricks in application in the range of the typical use temperature.
- Exonerated from any carcinogenic classification under nota Q of directive 97/69 EC

### Specifications:

Type:	Made from high temperature insulation wool	
Classification Temperature:	13000C (ENV 1094-3)	
Continuous use Temperature:	11500C. The maximum continuous use temperature depends on the application	
Colour:	white	
Density:	kg/m <sup>3</sup>	64, 96, 128, 160
Tensile Strength (ENV 1094-7)	64 kg/m <sup>3</sup>	30 kPa
	96 kg/m <sup>3</sup>	50 kPa
	128 kg/m <sup>3</sup>	75 kPa
	160 kg/m <sup>3</sup>	95 kPa
Permanent Linear Shrinkage (ENV 1094-7) after 24 hours isothermal heating at 1260 ° C	<2%	



Thermal Conductivity (ASTM C-201)

at mean temperature of:	96 kg/m <sup>3</sup>	128 kg/m <sup>3</sup>	
2000C	W/m.k	0.05	0.04
4000C	W/m.k	0.10	0.08
6000C	W/m.k	0.19	0.14
8000C	W/m.k	0.32	0.23
10000C	W/m.k	0.48	0.34
12000C	W/m.k	0.69	0.48

**Chemical Composition**

SiO <sub>2</sub>		70-80%
CaO + MgO	18-25%	
Others		<3%