Superwool 607 Blanket

Description

Superwool 607 Blanket is made from high temperature insulation glass fibres and has a classification temperature of 1100˚C.

Superwool 607 Blanket is made from long Superwool Fibres. It is needled from both sides and does not contain any lubricant or binder. It has an excellent tensile strength prior to and after heating and does not emit any fume or smell. The thermal stability of Superwool fibres (Grade 607) the excellent strength and flexibility prior to and after heating make Superwool fibres (Grade 607) ideal for a wide variety of industrial and building applications.

Classification Temperature

Superwool 607	1100˚C

The maximum use temperature depends on the application. In case of doubt, refer to your local Thermal Ceramics distributor for advice.

Benefits

- Excellent thermal insulation performance
- Free of binder or lubricant
- Low heat storage
- Flexible and resilient
- Immune to thermal shock
- Good sound absorption
- Exonerated from any carcinogenic classification under note Q of Safe Work Australia: NOHSC:10005(1999)

Typical Applications

- General use for Maintenance of Equipment in Fire Industry
- Re-useable Insulation Blankets for Steam and Gas Turbines
- Insulation Wrap on Investment Casting Moulds
- Flexible High Temperature Pipe Insulation
- Fire Protection
- Insulation of Electrical Appliances, Boilers, Fireplaces etc.
- Furnace Linings

Thermal Ceramics
Insulating Our World

Superwool 607 Blanket

Physical Properties

Classification Temperature (°C)	1100
Continuous Use Temperature (°C)	900
Melting Point (°C)	1760
Colour	White
Density (kg/m^3)	64,96,128
Permanent Linear Shrinkage (%) @ 800°C for 24 hrs @ 900°C for 24 hrs @ 1100°C for 24 hrs	 0.5 1.5 2.5
Tensile strength (kPa) @ 64 kg/m^3 @ 96 kg/m^3 @ 128 kg/m^3	 24 44 58
Specific Heat @ 540°C (kcal/kg°C)	1.05

Thermal Conductivity (W/mK) – (ASTM C 201)

Mean Temp	96 kg/m^3	128 kg/m^3
200°C	0.05	0.05
400°C	0.08	0.09
600°C	0.13	0.15
800°C	0.21	0.23
1000°C	0.31	0.33

Chemical Composition

SiO_2	60 – 70
Al_2O_3	< 0.8
CaO + MgO	25 – 40

Availability

Thickness	Size	64 kg/m^3	96 kg/m^3	128 kg/m^3
10	610 X 18,500	–	O	O
13	610 X 14,640	X	X	X
25	610 X 7,320	X	X	X
38	610 X 4,880	O	O	O
50	610 X 3,660	O	X	X
O = available upon request (subject to minimum order quantity)				

Thermal Ceramics (Australia)
10 – 14 Toogood Avenue
Beverley SA 5009, Australia
Ph: +61 (8) 8243 5300
Fax +61 (8) 8243 0571
Website: www.thermalceramics.com

Morgan Thermal Ceramics

DOC ID: TDS-3676 **LAST MODIFIED:** 23/07/2009