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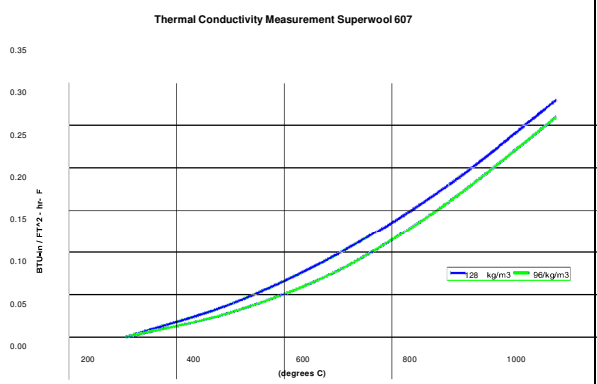
## BELLIS INSULATING PRODUCTS

## Non-Ceramic & Ceramic Blankets



**Bellis Blanket** is made from high temperature insulation glass fibres and has a classification temperature of 1100°C.

Bellis Blanket is made from long 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 fibres has excellent strength and flexibility prior to and after heating make the Bellis Blanket fibres ideal for a wide variety of industrial and building applications.

PHYSICAL PROPERTIES		THERMAL PROPERTIES		
Maximum temperature rating (°C)	1100			
Colour	White			
Specific Heat @ 540°C (kcal/kg°C)	1.05			
Permanent Linear Shrinkage (%)				
Heating for 24 hrs @ 800°C	0.5			
Heating for 24 hrs @ 900°C	1.5			
Heating for 24 hrs @ 1100°C	2.5			
Tensile Strength (kPa)				
@ 64 kg/m <sup>3</sup> density	24			
@ 96 kg/m <sup>3</sup> density	44			
@ 128 kg/m <sup>3</sup> density	58			
@ 160 kg/m <sup>3</sup> density	73			
ACOUSTIC PROPERTIES		Chemical Properties		
	Sound Absorption Coefficient		CHEMICAL ANALYSIS %	
Frequency	25mm / 96 kg/m <sup>3</sup>	25mm / 128 kg/m <sup>3</sup>	SiO <sub>2</sub>	60 – 70
125	0.07	0.09	Al <sub>2</sub> O <sub>3</sub>	< 0.8
250	0.29	0.54	CaO + MgO	25 – 40
500	0.73	0.86		
1000	0.92	0.94		
2000	0.96	0.94		
4000	0.99	0.96		
Noise Reduction Coefficient	0.72	0.82		

**N.B.** The above information pertains to the Bellis 1100°C Non-Ceramic Blankets, we also have a range of higher temperature Non-Ceramic Blankets and Ceramic Blankets, Ropes, Braids for ALL Industrial Applications

## MATERIAL PACKAGING

Dimensions of Rolls: 7.3 x 0.61m (standard)  
7.3 x 1.22m (on request)

Other sizes available on special request.

BELLIS Blanket				
Thick (mm)	64 kg/m <sup>3</sup>	96 kg/m <sup>3</sup>	128 kg/m <sup>3</sup>	160 kg/m <sup>3</sup>
6			X	
10			X	
13		X	X	X
19	X	X	X	X
25	X	X	X	X
38	X	X	X	X
50	X	X	X	

## TYPICAL APPLICATIONS

- General use for Maintenance of Equipment in Fire Industry
- Re-useable Insulation Blankets for Field Stress relieving of Welds.
- Removable Insulating 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

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