



Ceramic cloth with inconel wire inconel

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Description

Ceramic represents a valid alternative to the more common ceramic fabrics. It is obtained by weaving numerous twisted threads. The width and thickness is, in fact, determined by the number of threads used. The Ceramic cloth is soft to the touch and resistant. It is available in various thicknesses and weaves to provide a complete range of products. When reinforced with glass threads, it withstands continuous temperatures of up to 650°C, while when reinforced with Inconel wires, it withstands continuous temperatures of up to 1050°C. The product contains approximately 20% organic fibre to facilitate the carding process.

Applications

Fire-resistant curtains, protective clothing, controlled cooling of castings, insulation of gas and steam turbines, welding curtains and screens, insulating coverings/linings, exhaust covers, radiating heat shields.

Characteristics	
Colours	white
Melting point	1260°C
Long term operating temperature:	
- reinforced with steel wire	1050°C
- reinforced with glass threads	650°C
Loss on ignition at high temperature	<18%
Chemical stability	excellent chemical stability resisting attack from most corrosive agents. Exceptions are fluorides, phosphoric acids and concentrated alkalis

Standard sizes			
thickness mm	rolls m	length mm	weight g/m
2	30	1000	1000
3	30	1000	1400
5 MM THICKNESS IS ALSO AVAILABLE ON REQUEST			

Chemical analysis		
Aluminium oxide	AL ₂ O ₃	45-48%
Silicon oxide	SiO ₂	51-55%
Iron oxide	Fe ₂ O ₃	0,7-1,2%