Thermal Insulation Materials

Refrasil Cloth UC100 Series
Silica Insulation

Refrasil UC100 Series Insulation Cloth is a flexible, high temperature insulation material that can withstand continuous operating temperatures up to 982ºC. UC100 Cloth resists oxidisation and attack by most corrosive solutions, as well as possessing a high mechanical strength and exceptional thermal properties.

Refrasil cloth is commonly used to provide a heat resistant barrier between machinery and personnel to help ensure there is no damage or injury while allowing routine maintenance or operations to continue. Due to its high temperature rating, it is quite often used as a shield where molten metal splatter, sparks and risk of fire is present. Refrasil cloths are also used to slow down the cooling process after welding and can be sewn into pillows, tadpole tapes, blankets, curtains, and welding screens.

Technical Data:

Colour	Tan
Silica Content	96% minimum
Temperature	982ºC continuous
Maximum Temperature	1650ºC melting point
Fibre Diameters	8 to 10 microns
Fire Resistance	High
Chemical Resistance	Good
Halogen Content	Low
Dielectric Strength	High
Off Gassing	Minimal
Thermal Conductivity	Low
Type UC100-48:	
Thickness	0.81mm nominal
Weight	678 g/m² nominal
Type UC100-96:	
Thickness	1.32mm nominal
Weight	1221 g/m² nominal

Visit: www.agaus.com.au

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.

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Features and Benefits:

- Low thermal conductivity
- High dielectric strength
- Low halogen content
- Minimal off gassing
- Fire resistant
- Good chemical resistance
- Safer alternative to asbestos
- Low thermal conductivity
- Rolls can be slit to custom widths
- Can be sewn into blankets, pillows, curtains, and screens

Availability:

Associated Gaskets stock a large range of Refrasil products such as tapes, ropes, sleeving and batt, as well as cloth in various grades and thicknesses. Refrasil UC100 Insulation Cloth is sold by the roll, the metre, or can be cut and fabricated to suit your requirements. Rolls are 914mm wide x 46m long and can be slit to widths to suit your application. Abrasion resistant, silicone coated, adhesive backed, and other options are also available.

AG carry a wide range of flexible and rigid insulation materials as well as specialised sealing and 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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