



## Refrasil Cloth AR100 Series Abrasion Resistant Insulation

Refrasil AR100 Series Cloth is an abrasion resistant, high temperature insulation material that can withstand continuous operating temperatures up to 982°C. It is produced through a chemical leaching process of specially formulated glass fibres, then an abrasion resistant coating is applied for increased durability. This grade of cloth is flexible and maintains high mechanical strength and exceptional thermal properties at elevated temperatures. Its abrasion resistance layer helps reduce wear and tearing if it being dragged or moved around the worksite, but this layer will begin to degrade at 175°C.

AR100 cloth is commonly used to provide a 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, blankets, curtains, and welding screens.

### Technical Data:

Colour	Burnt Orange
Silica Content	96% minimum
Temperature	982°C continuous
Maximum Temperature	1650°C melting point
AR Coating Thickness	0.05mm
Fibre Diameters	8 to 10 microns
Fire Resistance	High
Chemical Resistance	Good
Abrasion Resistance	High
Dielectric Strength	High
Thermal Conductivity	Low
Off Gassing	Minimal
Grade AR100-48	
Thickness	0.81mm nominal
Weight	678 g/m <sup>2</sup> nominal
Grade AR100-96	
Thickness	1.32mm nominal
Weight	1221 g/m <sup>2</sup> nominal

Visit: [www.agaus.com.au](http://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.



## Refrasil Cloth AR100 Series Abrasion Resistant Insulation



### 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 AR100 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. 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.

Visit: [www.agaus.com.au](http://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.