



## Thermal Insulation Materials

# Ceramic Woven Cloth Fibreglass Reinforced



Ceramic Woven Cloth is commonly used for thermal insulation where materials need to be sewn together. The fibreglass reinforcement adds mechanical strength during installation but becomes sacrificial once temperatures reach 550°C. These attributes are especially important in areas where high temperatures can markedly shorten the service life of many materials.

This grade of Ceramic Cloth has a high tensile strength at medium temperatures and is chemically stable. Ceramic Cloth also resists oxidation and reduction if wet by water or steam. Physical and thermal properties are completely restored once fully dry. It possesses excellent resistance to thermal shock, corrosive attack, and breakdown due to mechanical stress and vibration.

### Technical Data:

Colour	White/Cream
Composition	Silica 52%, Alumina 47%, Other 1%
Temperature	800°C Continuous
Maximum Temperature	1200°C*
Tensile Strength - Warp Direction	≥ 750
Tensile Strength - Weft Direction	≥ 450
Nominal Weight	1400 g/m
Thermal Conductivity	0.17 W.m. °C (800°C average)
Resistance to Thermal Shock	Excellent
Resistance to UV and Weathering	Excellent
Chemical Resistance	Good

Based on 3mm thick material \* 1200°C where mechanical and tensile strength are of no concern

### Applications:

- Fire protection
- Gaskets and duct flange seals
- Thermal insulation
- Lagging and pipe wrapping
- Expansion joints and bellows
- Sewn curtains, pillows, and blankets
- Multi-layered insulation barriers
- Furnace and boiler insulation



### Availability:

Associated Gaskets stock Fibreglass Reinforced Ceramic Cloth in 3mm thick, 1m wide rolls. Ceramic Cloth is sold by the roll, the metre, or can be cut, slit, or sewn to suit your requirements.

AG also keep an extensive range of ceramic paper, wool, blanket, board, and other rigid & flexible insulation materials.

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

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