



Thermal Insulation Materials

Ceramic Woven Cloth Nickel Wire Reinforced



Ceramic Woven Cloth is commonly used for thermal insulation or where materials need to be sewn together. The Nickel Wire Reinforcement adds mechanical strength but is not recommended for use in electrical applications. 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 high 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	1200°C continuous
Tensile Strength - Warp Direction	≥ 350
Tensile Strength - Weft Direction	≥ 550
Thermal Conductivity	0.17 W.m. °C (800°C average)
Resistance to Thermal Shock	Excellent
Resistance to UV and Weathering	Excellent
Chemical Resistance	Good
Resistance to Solvents	Good

* Based on 3mm thick material

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 Nickel Wire Reinforced Ceramic Cloth in 2 and 3mm thicknesses, is sold by the 1m wide roll, the metre or can be cut, or slit to suit your requirements.

AG also keep an extensive range of ceramic paper, wool, blanket, and other rigid and 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

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.