

The standard for protecting equipment, cables and hoses at temperatures up to 1,200°C.



Ceramitex® WF-5100 is a woven fabric made of refractory ceramic fiber based on aluminum silicate. With a reinforcing agent (high-temperature fiberglass), the fiber is used to manufacture industrial textiles: fabrics, tapes, twisted cords, and braided cords. Ceramitex® R withstands temperatures up to 1,260°C.

It is a lightweight material with very low thermal conductivity. It provides excellent thermal protection in high-temperature applications, as well as resistance to commonly used corrosive chemicals such as alkalis and acids.

Ceramitex® WF-5100 offers excellent performance in:

- **Excellent thermal stability:** Low thermal conductivity and low heat storage capacity.
- **Chemical resistance:** Excellent resistance to most corrosive agents (except hydrofluoric and phosphoric acids and concentrated alkalis).

Ceramitex® WF-5100 offers excellent performance in:

- **Pipe insulation:** High-pressure steam wraps.
- **Furniture curtains:** Protection against molten metal splashes and radiant heat.
- **Expansion joints:** Manufacturing of textile gaskets to compensate for thermal movement.
- **Cable protection:** Heat shields for hydraulic hoses and critical wiring.

TECHNICAL DATA:

Properties:	CERAMITEX® WF-5100 Cloth
Composition:	CERAMITEX® R Fiber (Ceramic fiber w/ Inorganic carrier)
Chemical Composition:	Al2O3 y SiO2 Total: >97% (Al2O3:47%) Fe2O3:<1.1%
Temperature, Max:	2,300 °F
Temperature, Continuous:	1,832 °F
Shrinking @ 1796°F, 3hr:	3 %
Ignition, Weight loss @ 1796°F:	6-8 %
Tensile strength, μ:	2-6
Availability:	CERAMITEX® WF-5100 Cloth
Shape:	Flat Tape
Thickness / Width / Length:	1/16" / 39.4" / 98 ft 1/8" / 39.4" / 98 ft
Tolerances:	±10 %

****Tolerancia en medidas ±10% **Tolerancia en largo: ±5%**

** Above 200°C, the product may smoke, due to the degradation of organic components, without altering its functioning.

