

Ideal for sealing flanges, doors and manholes up to 1,200°C



1,200°C

Ceramitex® RB-5150 is a high-performance sealing and thermal insulation round braided cord, manufactured from high-purity alumina-silica ceramic fiber yarns. It is produced using a mechanical square braiding process that gives it dimensional stability and density.

Ceramitex® RB-5150 features a fiberglass carrier to increase its tensile strength during both installation and operation. This material is completely asbestos-free, lightweight, and resilient, making it ideal for industrial applications where efficient sealing is required under extreme heat conditions.

Ceramitex® RB-5150 is a highly versatile material used in various industries (metallurgy, petrochemical, power generation, etc.) for the following applications:

- **Door sealing:** In industrial furnaces, boilers, wood-burning stoves, and heaters.
- **Expansion joints:** To absorb thermal expansion in high-temperature pipes and equipment.
- **Thermal insulation:** Envelope for exhaust pipes, cables, valves, and hoses exposed to radiant heat.
- **Foundry and metallurgy:** Sealing of molds, furnace cars, and aluminum or steel casting equipment.
- **Asbestos substitute:** Direct and safe replacement for old gaskets and seals.

When to Use Round Cord?

- **U-shaped or crescent-shaped channels:** If the groove where the seal goes has a curved bottom, the round cord fits perfectly. It is the best option for wrapping around exhaust pipes,
- **Wrapping:** hoses, or cables to protect them from radiant heat, as it naturally conforms to cylindrical shapes.
- **Irregular spaces:** Excellent for filling cracks, fissures, or expansion joints where the shape of the opening is not uniform.
- **Sealing domes or circular caps:** It conforms much better to tight curves than square cord.

Advantages of a Round Cord:

- **Maximum flexibility:** Especially the twisted round cord, it is extremely malleable and easy to bend at difficult angles or small radius.
- **High adaptability:** When compressed, it can temporarily deform to fill irregular spaces that a rigid cord would leave open.

TECHNICAL DATA:

Properties:	CERAMITEX® RB-5150 Packing	
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 (peak)
Temperature, Continuous:	1,832	°F
Shrinking @ 1796°F, 3hr:	4-6	%
Ignition, Weight loss @ 1796°F:	6-8	%
Tensile strength, µ:	2-6	
Availability:	CERAMITEX® RB-5150 Packing	
Shape:	Round - Braided	
Diameter / Length:	1/4" / 450 ft 3/8" / 239 ft 1/2" / 348 ft 5/8" / 249 ft 3/4" / 164 ft 1" / 98 ft 1-1/4" / 69 ft 1-1/2" / 49 ft 2" / 33 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.

EN FAVOR DE LA
 COMPETITIVIDAD

