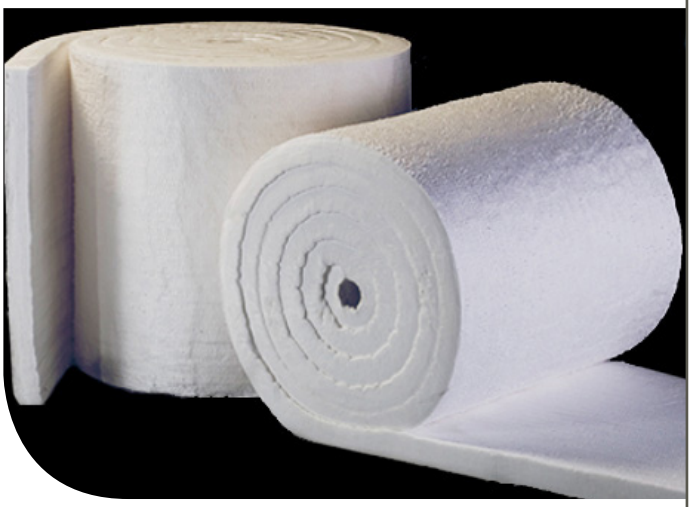
PYROTEK CERAMIC BLANKET 2300

INSULATION BLANKET

Pyrotek Ceramic Blanket 2300 consists of long, flexible, interwoven aluminium oxide and silicon dioxide fibres. The fibres are created through a spun process and are strong, lightweight and durable. The fibres have a maximum temperature rating of 1260°C (2300°F).



COMPOSITION

Material	Approximate Percentage of Weight
SiO_2	50–56%
Al_2O_3	44–50%

BENEFITS

- Low thermal conductivity
- Low heat storage
- High tensile strength
- Thermal shock resistant
- Easy to install
- No curing or drying time required

APPLICATIONS

- Tube seals
- Gaskets
- Expansion joints
- Furnace door linings and seals
- Furnace hot face repairs
- Ladle covers
- Refractory veneer

AVAILABILITY

Blanket Dimensions

- 12.5 mm x 305 mm x 15240 mm (0.5 in x 12 in x 600 in)
- 12.5 mm x 610 mm x 7620 mm (0.5 in x 24 in x 300 in)
- 12.5 mm x 1220 mm x 7620 mm (0.5 in x 48 in x 300 in)
- 25 mm x 152 mm x 7620 mm (1 in x 6 in x 300 in)
- 25 mm x 305 mm x 7620 mm (1 in x 12 in x 300 in)
- 25 mm x 610 mm x 7620 mm (1 in x 24 in x 300 in)
- 25 mm x 1220 mm x 7620 mm (1 in x 48 in x 300 in)
- 38 mm x 610 mm x 3810 mm (1.5 in x 24 in x 150 in)
- 51 mm x 610 mm x 3810 mm (2 in x 24 in x 150 in)
- 51 mm x 610 mm x 7620 mm (2 in x 24 in x 300 in)
- 51 mm x 1220 mm x 3810 mm (2 in x 48 in x 150 in

PHYSICAL PROPERTIES

Property	Value
Density–kg/m^3 (lb/ft^3)	4, 6, 8, 9.2, 10 (64, 96, 128, 148, 160)
Maximum Short Term Exposure Temperature	1260°C (2300°F)
Continuous Use Limit Temperature	1204°C (2200°F)
Melting Point	1760°C (3200°F)
Linear Shrinkage–24 hours at 1100°C (2012°F)	1.8%

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

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Product Type: 104, 125
Commodity Code: 04002