

# PYROTEK BIOSOLUBLE BLANKET 1000

## INSULATION BLANKET

Composed of a high-temperature, body soluble blend of calcium oxide, silica and magnesium oxide 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).



### BENEFITS

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

### APPLICATIONS

- Back-up insulation
- Gaskets and seals
- Insulating pads
- Expansion joints
- Furnace door linings
- Furnace hot face repairs
- Ladle covers

### AVAILABILITY

#### Blanket Dimensions

12.5 mm x 610 mm x 14400 mm

25 mm x 610 mm x 7200 mm

50 mm x 610 mm x 3600 mm

#### Blanket Density

96 / 128 kg/m<sup>3</sup>

### COMPOSITION

Material	Approximate Percentage of Weight
SiO <sub>2</sub>	55 – 64 %
CaO	23 – 35 %
MgO	5 – 10 %

### PHYSICAL PROPERTIES

Property	Value
Classification Temperature	1260°C
Continuous Use Temperature Limit	1000°C
Shrinkage on heating (1000°C x 24h)	≤ -3%
Tensile Strength	≥ 0.05 MPa

