



FLEXIBLE
SPECIALTY
PRODUCTS

Flex1000

Material Specification

Material Description

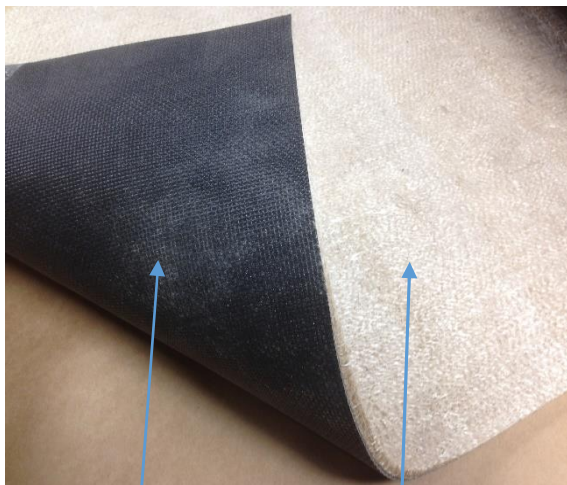
Our Flex1000 product is a high temperature composite material designed for expansion joints requiring upper use temperatures to 1000 degrees. The material can be fabricated in many configurations and provides a durable, single layer material capable of high temperatures without hot spots.

The Flex1000 material can withstand continuous temperatures to 1000°F and is not affected by UV light. The outer layer of Flex1000 material can easily be repaired on-site with a repair kit provided by FSP. Contact our sales staff to see if this is the correct material for your application



Construction:

PTFE Coated Woven Fiberglass load bearing component outside with a 1/2" thick nonwoven insulation mat laminated on the inside for high temperature protection to 1000°F



1/2" Thick Nonwoven
Insulation Mat

PTFE Coated Fiberglass Cloth
with PTFE Film Gas Barrier

Physical Properties

Maximum Temperature:	1000°F (538°C) Continuous
Minimum Temperature:	-80°F (-62°C) Continuous
Weight:	121 oz/yd ² (4104 g/m ²)
Thickness:	0.540+(1.8 mm)
Tensile Strength (Warp):	1200 lbs/in (10508 N/50 mm)
Tensile Strength (Fill):	1200 lbs/in (10508 N/50 mm)
Maximum Pressure:	5 PSI (4925 mm wc)
Minimum Pressure:	-3 PSI (-2110 mm wc)

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This information supplied in good faith and is based on information currently available. Contact a sales representative at FSP to verify suitability to specific applications and design conditions