



Advanced Sealing

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BFI-1000 Expansion Joints

Product Description: BFI 1000 is a high temperature product designed for use in composite expansion joints. It is capable of withstanding maximum temperatures up to 1000 F. BFI 1000 is constructed of fiberglass reinforced flouropolymer resin with a nonporous chemical barrier laminated to needled fiberglass mat. This design provides zero porosity, high strength, long life and ease of installation as compared to other products.

Weight:	115 oz/sq yd
Thickness:	0.535"
Tensile Strength:	1200 lb/in x 1200 lb/in (W x F)
Chemical Resistance:	Excellent
Trapezoidal Tear Strength:	Too high to measure

Application: BFI 1000 can be used in wet or dry flue gas

Description: Composite expansion joint for hot gas turbines and other extremely high temperature applications.

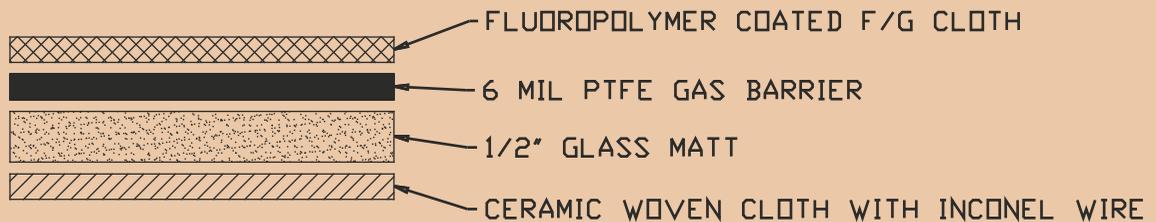
Layers:

<u>OUTER COVER</u>	PTFE coated Fluoropolymer/fiberglass fabric laminate with 6 mil gas barrier.
<u>INSULATION</u>	1/2" thick 8# density fiberglass mat
<u>INNER PLY (gas side)</u>	Ceramic woven cloth with inconel wire reinforcement and polypropylene coating, twill-weaved with 1800 F rating.

Construction: Mechanically double-cuffed inner ply material over the ambient side layer, using galvanized, long shanked staples outside the breech zone to maintain the positive, zero porosity gas barrier.

Properties:	Temperature:	1000 F operating (2000 F with 6" ceramic pillow)
	Thickness:	5/8"
	Service:	Hot dry flue gas
	Chemical resistance:	Excellent

BFI 1000



NOMINAL THICKNESS: 5/8"

