



Williams Products, Inc

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DYNASHEILD® Ceramic Fiber Grade 600

Fire Resistant Joint Filler

DynaShield Ceramic Fiber Blanket shall be folded back onto itself and inserted in to the joint under compression (see illustration). It is not necessary to fill the entire joint depth.

Contact the Manufacturer for recommendations on specific applications.

Please provide the following relevant information:

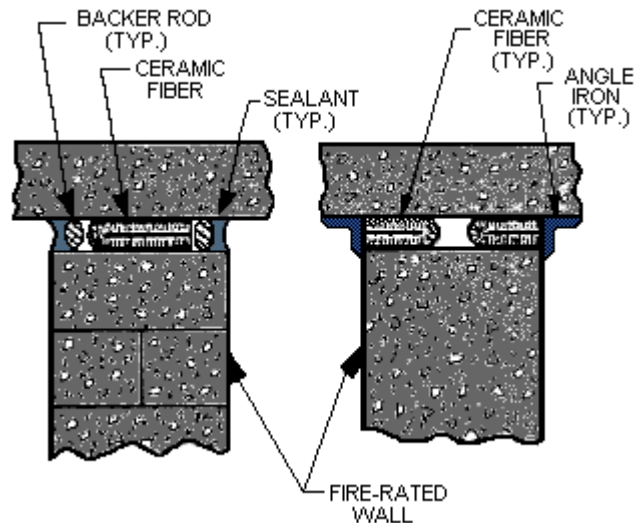
Installation Type

Fire Rating Required

Joint Width and Depth

Anticipated Movement

Required Finished Appearance



Description:

Dynasheild Ceramic Fiber Blanket is a strong, lightweight needled blanket. It is made from long ceramic fibers cross locked through a unique forming process which results in excellent strength. Dynasheild Ceramic Fiber Blankets offer superior flame and heat resisting properties. The fibers are asbestos free and have a melting point of 1843°C (3350°F).

Uses:

Dynasheild Ceramic Fiber Blankets are manufactured in various densities, operating temperature ranges and are fabricated into Fire Retarding expansion joint fillers and penetration seals. DynaShield is noncombustible and is being used in fire retarding systems where lightweight thin materials are needed to obtain a significant temperature drop and fire retardation such as nuclear power plants, utilities chemical plants and commercial buildings.

Typical Physical Properties:

Property	Typical Values
Continuous Use Limit	2300°F
Melting Point	3200°F
Shrinkage @ 1000°	0%
% Binded	0%
Density	4 - 8 lb./rt3
K-Value (per ASTM-C177)	
400°F	31
800°F	60
1800°F	1.78
Color	White
Weight for A60 Rating	10 oz.
ASTM D - 84	
Fuel Contribution	0
Flame Spread	0
Smoke Development	0

Approximate Fire Resistance Rating (TYP.):

Time Rating	Required Material Thickness	Required Material Depth
1 Hour	175% to 200% of Joint Widths	2 inches
2 Hour	175% to 200% of Joint Widths	4 inches
3 Hour	175% to 200% of Joint Widths	5 inches
4 Hour	175% to 200% of Joint Widths	6 inches



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