

Unifrax FyreWrap® XFP® Expanding Paper

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

FyreWrap® XFP® Expanding Paper is a flexible, lightweight, high-temperature intumescent mat that expands up to three times its thickness when exposed to temperatures above 620°F (325°C). In the event of a fire, the UL Recognized Component material is designed to expand and fill cracks and voids to prevent the spread of flames, heat, and smoke. Manufactured from high-temperature refractory ceramic fibers, XFP effectively withstands temperatures to 2300°F (1260°C). With the optional addition of an integral radiant foil barrier, the composite material provides: High temperature stability, Low thermal conductivity, Expansion fills potential heat, fire paths, Thermal reflectivity, Superior flexural integrity, Effective moisture barrier, Excellent handling properties, Easy to cut and fabricate, Excellent chemical stability and resistance to attack from most corrosive agents except hydrofluoric acid, phosphoric acid, and strong alkalis.

Product Forms: FyreWrap XFP Expanding Paper is a composite blend of alumina-silica refractory ceramic fibers, unexpanded vermiculite and an organic binder system. The finished composite material is supplied plain (XFP) or as a laminate of the high-temperature intumescent mat with a choice of either aluminum foil (XFP-A) or stainless steel foil (XFP-S) bonded to one face.

Applications: Expansion joint fire barriers, Construction corner guards, Cable tray fire protection, Fire Dampers/Ceiling Diffusers, High-temperature gasketing and packing, Industrial furnace expansion joints, Fire-rated doors and window seals.

Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-FyreWrap-XFP-Expanding-Paper.php

Physical Properties	Metric	English	Comments
Density	0.625 g/cc	0.0226 lb/in ³	Nominal
Loss On Ignition	<= 15 % @Temperature 900 °C	<= 15 % @Temperature 1650 °F	

Descriptive Properties	Value	Comments
Alumina-Silica Fibers (%)	30-45	
Color	Mottled Gray and White	
Expansion Ratio	3:1	
Expansion Temperature (°C)	327	
Organic Binder (%)	5-9	
Surface Burning Characteristics	Flame Spread Rating = 0	ASTM E-84
	Smoke Developed Rating = 0	ASTM E-84
Temperature Grade (°C)	1260	
Unexpanded Vermiculite (%)	45-60	

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