

Unifrax Foamfrax® HD Grade III Fiber HD Insulation

Category : Ceramic

Material Notes:

Foamfrax® HD Insulation is a monolithic thermal management product developed by Unifrax Corporation. This product is a four-component system of specially conditioned bulk ceramic fibers, an inorganic binder, an organic foaming binder, and a clay additive. Foamfrax HD is easily installed. The interlocking network of fibers provides a strong, uniform monolithic structure having excellent thermal insulating properties, very low heat storage, and excellent resistance to thermal shock. Foamfrax HD Insulation is unaffected by most chemicals except hydrofluoric acid, phosphoric acid, and concentrated alkalis. Characteristics Speed and ease of installation Low rebound Low thermal conductivity Low thermal shrinkage Low heat storage Excellent thermal shock resistance Good chemical resistance Good sound absorption Principal Applications Furnace linings (reformers, boilers, kilns, heat treating furnaces, etc.) Vessel linings Incinerators, flues, ducts and stacks Low mass kiln car decks High-velocity applications Composite lining systems Refractory shapes Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Foamfrax-HD-Grade-III-Fiber-HD-Insulation.php

Physical Properties	Metric	English	Comments
Density	0.192 g/cc	0.00694 lb/in ³	Installed Fired
	0.384 g/cc	0.0139 lb/in ³	Installed Wet
Loss On Ignition	0.75 %	0.75 %	

Thermal Properties	Metric	English	Comments
Melting Point	1760 °C	3200 °F	
Maximum Service Temperature, Air	1538 °C	2800 °F	Recommended Operating Temperature
Shrinkage	<= 3.0 % @Time 86400 sec	<= 3.0 % @Time 24.0 hour	at operating temperature

Processing Properties	Metric	English	Comments
Moisture Content	50 %	50 %	At Installation

Descriptive Properties	Value	Comments
Color	White (Fired)	
Temperature Grade (°C)	1649	

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