

## Unifrax Foamfrax® RG Plus Insulation

Category : Ceramic

### Material Notes:

Like Foamfrax RG, Foamfrax® RG Plus combines refractory ceramic fiber, refractory cement, and a high-temperature binder solution that can be combined in the field using the unique Foamfrax process. The resultant product form, which is rated to 2300°F, is a high-density, ceramic fiber based material ideally suited for low-density working linings. Foamfrax RG Plus can be gunned easily around a variety of refractory anchor systems and air sets within 24 hours. For full thickness applications of this material, all established installation guidelines for Foamfrax full thickness linings must be adhered to. This includes choosing the proper anchoring system for the applications, troweling the hot face smooth, and scoring on a maximum of 2' x 2' centers. Principal Applications Backup behind brick, plastic, refractory, and castable Annealing furnace bases Duct, flue, and stack linings Heat treat furnace, kiln car decks Incinerator floors, process heaters Information Provided by Unifrax I LLC

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unifrax-Foamfrax-RG-Plus-Insulation.php](http://www.lookpolymers.com/polymer_Unifrax-Foamfrax-RG-Plus-Insulation.php)

Physical Properties	Metric	English	Comments
Density	0.352 - 0.449 g/cc	0.0127 - 0.0162 lb/in <sup>3</sup>	Dry
	0.368 - 0.481 g/cc	0.0133 - 0.0174 lb/in <sup>3</sup>	
	@Treatment Temp. 1260 °C, Time 86400 sec	@Treatment Temp. 2300 °F, Time 24.0 hour	Fired
Loss On Ignition	6.0 - 9.0 %	6.0 - 9.0 %	
	@Treatment Temp. 1260 °C, Time 86400 sec	@Treatment Temp. 2300 °F, Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.172 - 0.241 GPa	25.0 - 35.0 ksi	Dry
	0.103 - 0.172 GPa	15.0 - 25.0 ksi	
	@Treatment Temp. 1260 °C, Time 86400 sec	@Treatment Temp. 2300 °F, Time 24.0 hour	Fired
Compressive Strength	0.276 - 0.345 MPa	40.0 - 50.0 psi	Cold Crush Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1260 °C	2300 °F	Continuous
Shrinkage	3.0 %	3.0 %	
	@Treatment Temp. 1260 °C, Time 86400 sec	@Treatment Temp. 2300 °F, Time 24.0 hour	Linear

Thermal Properties	Metric	English	Comments
Descriptive Properties	Value		Comments
Appearance	Brown Fibrous/Cement Mixture		
Set Time (Hours)	24		

## Contact Songhan Plastic Technology Co.,Ltd.

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