

Fireshield

Fireshield Material Overview

Fireshield is Refractory Specialties Inc's fire protection technology. It uses a composite construction that combines the machining and forming capability of RSI's insulation products with special fire protection additives yielding a material that prevents the destruction of protected components and documents in a fire situation. It can be used to help meet UL72 fire protection standards, and other fire ratings as needed. RSI's vast forming and machining capabilities allow Fireshield to be made in a variety of shapes, besides standard boards and blocks, and can be tailor made to custom fire protection specifications. To answer any questions, or if you have special requirements that aren't covered by this product, call for our expert assistance at (330) 938-2101.

Fireshield Technical Information

<u>Property</u>	<u>Typical Results</u>
Density	35 lb/ft ³
Modulus of Rupture (MOR)	
Supplied	N/A
After First Use	75 lb/in ²
Compressive Strength (10% Compression)	5000 lb/ft ²
Maximum Continuous Use Temperature	N/A
Maximum Intermittent Use Temperature	N/A
Linear Shrinkage	
2000° F	N/A
Thermal Conductivity	
400° F	0.53 Btu-in/hr/ft ² /°F
800° F	0.57 Btu-in/hr/ft ² /°F
1200° F	0.83 Btu-in/hr/ft ² /°F
1600° F	1.10 Btu-in/hr/ft ² /°F
1800° F	1.40 Btu-in/hr/ft ² /°F
Typical Chemical Analysis (After Use)	
SiO ₂	15 % (By Weight)
Al ₂ O ₃	10 % (By Weight)
Other	75% (By Weight)

Other Information

The information given herein is based on data believed to be reliable; however, Refractory Specialties, Incorporated makes no expressed or implied warranties as to its accuracy and assumes no liability arising out of its use by others. This information does not constitute a license to use or infringe any patents. Further, the data is found to be typical and should not be construed as product specification/s.

Refractory Specialties, Inc. 230 West California Avenue, Sebring, Ohio 44672
Tel: (330) 938-2101/Fax: (330) 938-2574/Web: [.rsifibre.com](http://rsifibre.com) /E-mail: @rsifibre.com