

## Q-Board IR-Q16

### Q-Board IR-Q16 Material Overview

IR-Q16 Q-Board is Refractory Specialties' premium reflective insulation board. It uses amorphous silica based fiber chemistry to provide thermal insulation with superior infra-red reflection properties. Q-Board can be used in applications requiring high radiant heat reflection, either as a superior backing insulation, or as a protective reflection surface. IR-Q16 Q-Board resists thermal shock allowing for faster cycle times, and high temperature gradients for radiant heat applications. RSI's vast forming and machining capabilities allow IR-Q16 Q-Board to be made in a variety of shapes, besides standard boards and blocks, and can be tailor made to customer required shapes and specifications. This material is also easily cut and formed using hand-tools. 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.

### Q-Board IR-Q16 Technical Information

<u>Property</u>	<u>Typical Results</u>
Density	10 to 16 lb/ft <sup>3</sup>
Apparent Porosity	94% to 98%
Maximum Use Temperature	2000 F
Melting Point	3000 F
Linear Shrinkage	
1600 F	> 2%
1800 F	> 4%
Thermal Conductivity	
400 F	0.36 Btu-in/hr/ft <sup>2</sup> /°F
800 F	0.56 Btu-in/hr/ft <sup>2</sup> /°F
1200 F	1.02 Btu-in/hr/ft <sup>2</sup> /°F
1600 F	1.34 Btu-in/hr/ft <sup>2</sup> /°F
2000 F	2.00 Btu-in/hr/ft <sup>2</sup> /°F
Typical Chemical Analysis (After Use)	
SiO <sub>2</sub>	99 % (By Weight)
Other	1 % (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.

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