



ZELIEBLOK 2000S

Calcium Silicate Block Insulation

BNZ Materials, Inc.

Properties		
Maximum Service Temperature		2012 1100
Bulk Density, dry	lb/ft2 (kg/m3)	16.2 260
Modulus of Rupture	lb/in2 MPa	174 1.2
Compressive Strength	lb/in2 MPa	232 1.6
Linear shrinkage % 12 hrs at 1050°C		1.0
Thermal conductivity, ASTM C-182		
Mean Temperature, °F(°C)		
200 °C	W/m°K	0.07
400 °C	W/m°K	0.09
600 °C	W/m°K	0.10
392 °F	Btu-in/ft2, hr °F	0.49
752 °F	Btu-in/ft2, hr °F	0.62
1112 °F	Btu-in/ft2, hr °F	0.69
Chemical Analysis		
Alumina -- Al ₂ O ₃		% 0.3
Silica -- SiO ₂		47.0
Ferric oxide -- Fe ₂ O ₃		0.3
Sodium oxide -- Na ₂ O		0.1
Calcium oxide -- CaO		45.0
Magnesium oxide -- MgO		0.6
Potassium oxide -- K ₂ O		0.1
Loss on ignition, 1025°C		6%

Sales Office:

BNZ Materials, Inc.
191 Front Street
Zelienople, PA 16063
Phone: (724) 452-8650
1-800-955-8650
Fax: (724) 452-1346

OR

Contact your District Sales Office

ZelieBlok 2000S is designed to serve as a backup insulation for any refractory construction. Its high refractoriness and strength help prevent catastrophic failure of a refractory system.

Contact BNZ with your refractory needs. Our experienced Technical Staff and Customer Service Department will be glad to provide assistance with your next project.

BNZ means
Quality,
Service,
Alliances

The physical and chemical properties of BNZ's ZelieBlok 2000S represent values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

Insulating Firebrick, Castables
Plant Location
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