

BNZ Materials Blakbond Mortar

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

Blakbond is a highly refractory mortar which possesses high water retention properties. It is especially designed for laying insulating fire brick and is also used for super duty and high alumina dense refractory brick. It is dark gray in color. Temperature to 3000°F. It is furnished in a consistency suitable for shallow patching or troweling. For a dipping consistency, add approximately 5 qts. of water to 100 lbs. of the as-received Blakbond. Blakbond is a good choice for a single mortar on jobs involving a majority of insulating fire brick and a few dense fire brick. Information provided by BNZ Materials Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BNZ-Materials-Blakbond-Mortar.php

Physical Properties	Metric	English	Comments
Bulk Density	1.97 g/cc	0.0712 lb/in ³	Dipping, 7% H2O
	2.10 g/cc	0.0758 lb/in ³	As received

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00396 GPa	0.574 ksi	Dipped Joint; ASTM C198
	0.0421 GPa	6.11 ksi	Mortar

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1650 °C	3000 °F	
Shrinkage	4.1 %	4.1 %	Permanent Linear Change at Use Limit

Component Elements Properties	Metric	English	Comments
Al2O3	43.1 %	43.1 %	
CaO	0.30 %	0.30 %	
Fe2O3	1.6 %	1.6 %	
K2O	0.90 %	0.90 %	
Loss on Ignition(%)	1.7 %	1.7 %	
Na2O	2.7 %	2.7 %	
SiO2	48.1 %	48.1 %	
TiO2	1.4 %	1.4 %	

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