

PRODUCT

**BLACK JACK BOND 80**  
**SILICON CARBIDE**  
**CHEMICALLY BONDED MORTAR**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2700°F
Modulus of Rupture	
After Drying at 230°F	600 psi
After Heating to 2550°F	1000 psi
Approximate Amount Required per 1000 – 9" Brick	
Trowelled Joints	525 lbs.
Dipped Joints	450 lbs.

BLACK JACK BOND 80 is an excellent phosphate bonded Silicon Carbide mortar designed for use as both a coating and a mortar.

Shipped in plastic pails in a ready to use trowelling consistency.

CHEMICAL ANALYSIS

Silicon Carbide	[SiC]	76.7%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	10.3%
Silica	[SiO <sub>2</sub> ]	5.3%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.1%
Phosphoric Oxide	[P <sub>2</sub> O <sub>5</sub> ]	7.4%
Other		0.2%

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.

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