



## **BNZ Materials, Inc.**

### **Blazelite 3000 Gun**

Blazelite 3000 Gun is designed for temperatures up to 3000°F (1649°C). It has excellent volume stability, high fired strengths, and excellent thermal insulation.

#### **Gunning Procedures**

Water

Mixing Equipment

N-1/N-2 Type Gun

Pre-damp 1-2 gallons per 200 lbs

Paddle Mixer – 2 minutes mixing

Feed pressure 12-14 psi

Gun Pressure 30 to 50 psi

#### **Bulk Density, Lbs/ft<sup>3</sup>**

@ 220° F

97.2

@ 1500°F

89.0

#### **Cold Crushing Strength, psi**

@ 220°F

1600-2000

@ 1500° F Typical Range

1000-1400

#### **Permanent Linear Change**

Green to Fired @ 3000° F

-0.10

#### **Chemical Analysis, %**

Alumina

Al<sub>2</sub>O<sub>3</sub>

92.02

Silica

SiO<sub>2</sub>

0.27

Ferric Oxide

Fe<sub>2</sub>O<sub>3</sub>

0.06

Titanium Oxide

TiO<sub>2</sub>

0.00

Calcium Oxide

CaO

7.38

Magnesium Oxide

MgO

0.09

Alkalis

Na<sub>2</sub>O & K<sub>2</sub>O

0.18

#### **Thermal Conductivity**

BTU in./hr. ft<sup>2</sup> °F

Mean Temperature

@ 362° F (260° C)

3.72

@ 722°F (400°C)

2.76

@ 1170°F (538° C)

3.20

@ 1500°F (816° C)

4.96

For Product information or sales, please contact your sales representative or the Customer Service Office at 724-452-8650 or 1-800-955-8650

BNZ Materials, Inc.

191 Front Street

Zelienople, PA 16063

2-21 The physical and chemical properties of BNZ's castables 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. Results should not be used for specification purposes. Compliance Data Sheets are available upon request to meet specifications.