

## QUIKLITE 3B

**QUIKLITE 3B IS A 50 LB PER CUBIC FOOT INSULATING MATERIAL THAT IS EASILY PLACED BY TROWELLING, CASTING OR GUNNING. THIS EASE OF APPLICATION COMBINED WITH ITS GOOD INSULATING VALUES MAKES THIS PRODUCT AN IDEAL CHOICE FOR HEATERS, DUCTS AND OTHER RELATED COMPONENTS. QUIKLITE 3 IS FORMULATED FOR RAPID HEATUP WITHOUT THE TRADITIONAL RAMP AND HOLD HEATING SCHEDULE**

**MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1095°C)**

### BULK DENSITY

After 110°C	52 - 58	LBS/FT <sup>3</sup>	833 - 929	KG/M <sup>3</sup>
After 815°C	45 - 51	LBS/FT <sup>3</sup>	712 - 817	KG/M <sup>3</sup>

### COLD CRUSHING STRENGTH

After 815°C	175 - 275	P.S.I.	12 - 19	KG/CM <sup>2</sup>
After 1095°C	175 - 275	P.S.I.	12 - 19	KG/CM <sup>2</sup>

### COLD MODULUS OF RUPTURE

After 815°C	100 - 150	P.S.I.	7 - 11	KG/CM <sup>2</sup>
After 1095°C	100 - 150	P.S.I.	7 - 11	KG/CM

### P/ERMANENT LINEAR CHANGE

After 815°C	- 0.40 TO - 0.80 %
After 1095°C	- 0.90 TO - 1.50 %

### CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/HR/°F/IN</u>	<u>W/mK</u>
@ 260°C (500°F)	1.10	0.16
@ 540°C (1000°F)	1.25	0.18
@ 815°C (1500°F)	1.55	0.22

### TYPICAL CHEMICAL ANALYSIS (%)

<b>AL<sub>2</sub>O<sub>3</sub></b>	<b>SiO<sub>2</sub></b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>CaO</b>	<b>MgO</b>	<b>TiO<sub>2</sub></b>	<b>AIK</b>
<b>32.7</b>	<b>30.2</b>	<b>9.2</b>	<b>20.7</b>	<b>2.5</b>	<b>2.7</b>	<b>1.9</b>

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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# QUIKLITE 3B

QUIKLITE 3B CAN ALSO BE READILY APPLIED BY GUNITE APPLICATION. DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDE LINES SET FORTH IN ASTM C-903-70 "PREPARING REFRACTORY CONCRETE SPECIMEN'S BY COLD GUNNING".

**MAXIMUM SERVICE TEMPERATURE (M.S.T.)** (1095°C)

## **BULK DENSITY**

After 815°C      55 - 65    LBS/FT<sup>3</sup>      880 - 1040    KG/M<sup>3</sup>

## **COLD CRUSHING STRENGTH**

After 815°C      200 - 400    P.S.I.      14 - 28      KG/CM<sup>2</sup>  
After 1095°C     100 - 300    P.S.I.      7 - 21      KG/CM<sup>2</sup>

## **COLD MODULUS OF RUPTURE**

After 815°C      100 - 150    P.S.I.      7 - 11      KG/CM<sup>2</sup>  
After 1095°C     100 - 150    P.S.I.      7 - 11      KG/CM<sup>2</sup>

## **PERMANENT LINEAR CHANGE**

After 540°C                      - 0.50 TO - 1.00 %  
After 1095°C                     - 0.80 TO - 1.80 %

## **CONDUCTIVITY OR "K" FACTOR**

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/HR/°F/IN</u>	<u>W/mK</u>
@ 260°C (500°F)	1.10	0.16
@ 540°C (1000°F)	1.25	0.18
@ 815°C (1500°F)	1.55	0.22

**PACKAGING**                      20 KG BAGS

**POROSITY**                      55 PERCENT @ 1000°F (540°C) (CAST)  
53 PERCENT @ 1000°F (540°C) (GUNITED)

**ASTM CLASS C-401**              CLASSIFICATION "P"