



**CAROBOND 33 W**

**2020**

**CAROBOND 33 W** is a high alumina, chemically bonded, wet mortar. Excellent strength and resistance to molten metal and slags. As a heat setting mortar it is used for laying high alumina brick where service conditions are severe.

Maximum recommended service temperature.....3300°F

<u>Test Temperature</u>	<u>Modulus of Rupture,</u> <u>p.s.i.</u>	<u>Cold Crushing,</u> <u>p.s.i.</u>	<u>Linear Change %</u>
220°F	400 – 600	2000 – 2300	-0.1
1500°F	300 – 650	1950 – 2150	-0.1
2000°F	600 – 800	2450 – 2700	-0.1
2500°F	2250 – 2650	5800 – 6300	+0.1
3000°F	2500 – 2800	6000 – 6400	+0.1

**Chemical Analysis (%)**

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	83.0
Silica (SiO <sub>2</sub> ) .....	8.9
Iron (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.8
Titania (TiO <sub>2</sub> ) .....	1.1
Lime (CaO).....	0.1
Magnesia (MgO).....	0.1
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ) .....	6.0

**Material Required for Estimating:**

Quantity required to lay 1000 9 x 4 ½ x 3 straights, 450 lbs.  
thinly Troweled joints

Packaged in 75-pound pails, thirty-six pails per pallet (2700 pounds)