



**CARORAM 85 PBR**

**2020**

**CARORAM 85 PBR** is a high alumina, chemically bonded ramming mix. High hot strengths throughout the temperature range. Excellent resistance to metal and slag penetration. Can be rammed to a high density and low porosity.

Maximum recommended service temperature..... 3250°F

Melting Point..... 3375°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	7000 – 900	2300 – 2750	-0.1
1500°F	650 – 750	2100 – 2500	-0.1
2000°F	1050 – 1500	3400 – 3900	-0.1
2500°F	1300 – 1750	4300 – 4750	+0.3
3000°F	1400 – 1750	4100 – 4400	+0.5

**Chemical Analysis (%)**

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	85.1
Silica (SiO <sub>2</sub> ) .....	6.0
Iron (Fe <sub>2</sub> O <sub>3</sub> ) .....	2.1
Titania (TiO <sub>2</sub> ) .....	2.2
Lime (CaO).....	0.2
Magnesia (MgO).....	0.3
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ).....	3.9

Material required for estimating – 180 lbs./ft<sup>3</sup>

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