



CARORAM 80 AS

2020

CARORAM 80 AS is a high alumina, air setting, plastic refractory. CARORAM 80 AS exhibits high hot strengths throughout the temperature range. Typical applications include the cement, metals, and power industries where high refractoriness is necessary. Specifically, installation can include high temperature steel plant service, hearths of reheat furnaces, soaking pit lower sidewalls and bottoms, forge furnace hearths, and lower sidewalls, hearths and ramps of aluminum smelting and holding furnaces.

Maximum recommended service temperature..... 3100°F

Melting Point..... 3250°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>
230°F	940	-	-1.2
2550°F	1470	6000	+0.6

Chemical Analysis (%)

Alumina (Al ₂ O ₃)	79.5
Silica (SiO ₂)	17.0
Iron (Fe ₂ O ₃)	0.9
Titania (TiO ₂)	2.0
Lime (CaO).....	<0.1
Magnesia (MgO).....	<0.1

Material required for estimating – 170 lbs./ft³

Storage Life – 4 months

Packaged in 50-pound cartons, seventy-two cartons per pallet (3600 pounds)