



CARORAM 70 HS

2020

CARORAM 70 HS is a high alumina, heat setting, plastic refractory. Excellent spall resistance, good load bearing properties and high refractoriness are some of its features. CARORAM 70 HS is ideal for walls, roofs, and burner blocks in boilers, forge furnaces and incinerators. Again, patching in rotary kilns and electric furnace delta sections are other applications.

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

Melting Point..... 3200°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	300 – 350	1000 – 1500	-0.5
1500°F	150 – 200	400 – 700	-0.5
2000°F	300 – 350	1100 – 1600	-0.7
2500°F	400 – 475	1350 – 2000	-0.9
3000°F	450 – 550	1600 – 2300	+1.8

Chemical Analysis (%)

Alumina (Al ₂ O ₃)	68.8
Silica (SiO ₂)	23.1
Iron (Fe ₂ O ₃)	1.7
Titania (TiO ₂)	2.6
Lime (CaO).....	0.2
Magnesia (MgO).....	0.1

Material required for estimating – 165 lbs./ft³

Packaged in 100-pound cartons, thirty-six cartons per pallet (3600 pounds)