

This material is calcined from a mixture of bauxite and limestone in rotary kiln at a high temperature. Its high refractoriness, quick setting properties, high bending and compressive strength make it widely used as a refractory material in the application of ceramic and metallurgical industries. It is available in various grades as per requested.



CHEMICAL & PHYSICAL ANALYSIS	PRODUCT GRADE			
	A500	A600	A700	A800
Al <sub>2</sub> O <sub>3</sub> (%)	50.00 min.	50.00 min.	53.00 min	53.00 min.
CaO (%)	32.00 min.	33.00 min.	34.00 min.	34.50 min.
SiO <sub>2</sub> (%)	8.00 max.	7.00 max.	6.50 max.	6.00 min.
Fe <sub>2</sub> O <sub>3</sub> (%)	3.00 max.	2.50 max.	3.00 max.	2.00 max.
Initial Setting Time (minutes)	40.00 min.	40.00 min.	40.00 min..	50.00 min.
Final Setting Time (Minutes)	120.00 max.	120.00 max.	120.00 max.	90.00 max.
Bending Strength (Kg/cm <sup>2</sup> ) - 24 hrs	50.00 min.	55.00 min.	70.00 min.	75.00 min.
Bending Strength (Kg/cm <sup>2</sup> ) - 72 hrs	55.00 min.	60.00 min.	75.00 min.	80.00 min.
Compressive Strength (Ks/cm <sup>2</sup> ) - 24 hrs	460.00 min.	525.00 min.	660.00 min.	680.00 min.
Compressive Strength (Ks/cm <sup>2</sup> ) - 72 hrs.	525.00 min.	600.00 min.	725.00 min.	750.00 min.
Refractoriness (C degree)	1450	1450	1580	1610
Particle Sizes (90.00% min.)	325 mesh	325 mesh	325 mesh	325 mesh