

BURAKAST - 70**(High Alumina Refractory Cement)****TECHNICAL DATA SHEET****1. CHEMICAL ANALYSIS (%)**

Aluminium Oxide (Al_2O_3)	68 - 71 %
Calcium Oxide (CaO)	27 - 30 %
Iron Oxide (Fe_2O_3)	0.1 - 0.3 %

2. PHYSICAL PROPERTIES

- Setting Time**

Initial Setting Time	30 - 100 Minutes
Final Setting Time	100 - 240 Minutes

- CCS (1 : 3 vibrated mortar using standard graded sand)**

1 Day (Cured at $18^\circ\text{C} \pm 2^\circ\text{C}$ / 24 hrs)	40 - 50 MPa
2 Days (Cured at 110°C / 24 hrs)	50 - 65 MPa

- Additional Properties**

Specific Surface (Blaine)	3800 - 4400 cm^2/g
Residue on 90 μm (170 mesh)	$\leq 5 \%$

Shelf Life : 6 Months from the date of manufacture