

## EL - 70 GUN, E, AND N

Calcium Aluminate Cement

EL - 70 is a calcium aluminate cement obtained from fusion of high purity bauxite and calcium carbonate in electric arc furnaces. It is ball milled with alumina addition which makes EL-70 an ideal product for special refractory applications.

### Chemical Analysis by XRF (%)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	FeO	MgO	CaO	Na <sub>2</sub> O
67,42	3,04	0,42	0,34	28,1	0,13

### Mineralogical Analysis by DRX

Predominant Phase	Secondary Phase
CA (Calcium Aluminate)	CA <sub>2</sub> e α - Alumina C = CaO e A = Al <sub>2</sub> O <sub>3</sub>

### Typical Physical Properties

Grades	Units	Results	
Setting Time - Vicat Needle (Cement Paste)	Grades		
	Gun	h	0:30 to 2:00
	E	h	2:05 to 4:00
	N	h	4:05 to 10:00