

EL - 60 GUN, E e N

Calcium Aluminate Cement

EL-60 is calcium aluminate cement obtained from fusion of high purity bauxite and calcium carbonate in electric arc furnaces. It is recommended for refractory applications.

Chemical Analysis by XRF (%)

Al ₂ O ₃	SiO ₂	FeO	MgO	CaO	Na ₂ O
61.66	4.15	0.56	0.38	32.70	0.06

Mineralogical Analysis by XRD

Predominant Phase	CA (Calcium Aluminate)
Secondary phase	Ca ₂ e C ₂ AS C = CaO ; A = Al ₂ O ₃ e S = SiO ₂

Typical Physical Properties

Methods	Units	Results	
Refractoriness	°C	1,450	
Residue on 44 μm	%	0.88	
Specific Surface Area	cm ² /g	3,874	
Setting Time - Vicat Needle (Cement Paste)	Grades		
	Gun	min	30 a 120
	E	min	125 a 240
	N	min	245 a 600