

EL - 60 GUN, E e N

Calcium Aluminate Cement

EL - 60 is a 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
61.38	3.31	0.58	0.41	33.50	0.07

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	
+ 325 mesh (+45 μm)	%	2.26	
Specific Surface Area	cm ² /g	3,420	
Setting Time - Vicat Needle (Cement Paste)	Grades		
	Gun	min	30 a 120
	E	min	125 a 240
	N	min	245 a 600
Water/Cement Ratio (Cement Paste)	-	0.32	
Refractoriness	°C	1,450	