

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	SiO₂	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	$Ca_2 e C_2 AS$ $C = CaO$; $A = AI_2O_3 e S = SiO_2$

Typical Physical Properties

Methods	Units	Results	
+ 325 mesh (+45 μm)	%	2.26	
Specific Surface Area	cm²/g	3,420	
	Grades		
Setting Time - Vicat	Gun	min	30 a 120
Needle (Cement Paste)	E	min	125 a 240
	Ν	min	245 a 600
Water/Cement Ratio (Cemen	-	0.32	
Refractoriness	°C	1,450	

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