

EL - 61

Calcium Aluminate Cement

EL-61 is high pure calcium aluminate cement obtained from fusion of calcined alumina 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
66.39	0.57	0.23	0.48	31.98	0.25

Mineralogical Analysis by XRD

Predominant Phase	CA (Calcium Aluminate)
Secondary phase	CA ₂ C = CaO e A = Al ₂ O ₃

Typical Physical Properties

Methods	Units	Results
Refractoriness	°C	1,460
Residue on 44 µm	%	0.91
Specific Surface Area	cm ² /g	4,245
Setting time	(h)	4:00 - 12:00