

## EL - 61

### Calcium Aluminate Cement

EL - 61 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 <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	FeO	MgO	CaO	Na <sub>2</sub> O
67,83	0,34	0,25	0,26	31,1	0,19

#### Mineralogical Analysis by XRD

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

#### Typical Physical Properties

Methods	Units	Results
+ 325 mesh (+45 μm)	%	0.26
Specific Surface Area	cm <sup>2</sup> /g	4,441
Setting Time - Vicat Needle (Cement Paste)	initial	240
	final	720
Water/Cement Ratio (Cement Paste)	-	0.32
Refractoriness	°C	1,460

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