



# EL-60 GUN, E, AND N

## FUSED CALCIUM ALUMINATE CEMENT FOR REFRACTORIES

### ABOUT:

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.

#### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	61.66%
SiO <sub>2</sub>	3.79
Fe <sub>2</sub> O <sub>3</sub>	0.39
MgO	0.32
CaO	33.18
Na <sub>2</sub> O	0.11

#### TYPICAL PHYSICAL PROPERTIES

Refractoriness:	1,450° C
Residue on 44 µm:	0.25%
Specific Surface Area (Blaine):	4,709 cm <sup>2</sup> / g

#### MINERALOGICAL COMPOSITION (XRD)

Predominant Phase:	CA (Calcium Aluminate)
Secondary Phases:	CA <sub>2</sub> and C <sub>2</sub> AS C = CaO; A = Al <sub>2</sub> O <sub>3</sub> ; S = SiO <sub>2</sub>

GRADE	SETTING TIME (h)
GUN	0:30 to 2:00
E	2:05 to 4:00
N	4:05 to 10:00

# USEM

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