



EL-61

FUSED CALCIUM ALUMINATE CEMENT FOR REFRACTORIES

ABOUT:

EL-61 is a high purity calcium aluminate cement obtained from fusion of calcined alumina and calcium carbonate in electric arc furnaces. It is recommended for refractory applications.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	67.83%
SiO ₂	0.34
Fe ₂ O ₃	0.25
MgO	0.26
CaO	31.10
Na ₂ O	0.19

TYPICAL PHYSICAL PROPERTIES

Refractoriness:	1,460° C
Residue on 44 µm:	0.26%
Specific Surface Area (Blaine):	4,441 cm ² / g
Setting Time (h):	4:00 to 12:00

MINERALOGICAL COMPOSITION (XRD)

Predominant Phase:	CA (Calcium Aluminate)
Secondary Phases:	CA ₂ C = CaO; A = Al ₂ O ₃ ; S = SiO ₂

USEM

U.S. ELECTROFUSED MINERALS, INC.

600 Steel Street, Aliquippa, PA 15001

Phone: 800-927-8823

email: info@usminerals.com

www.usminerals.com



**ELECTRO
ABRASIVES**

701 Willet Road, Buffalo, NY 14218

Phone: 716-822-2500

Email: info@electroabrasives.com

www.electroabrasives.com



GRUPO CURIMBABA

Updated: 04/13

The information contained in this data sheet has been determined through the application of accepted engineering practice and is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results to be obtained from use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will make your own tests to determine the suitability of the product for your particular use.