



TECHNICAL DATA SHEET

EL - 57 is a calcium aluminate cement obtained from the sintering of high purity bauxites and a calcium source in rotary kilns. It is recommended for refractory applications.

Properties			EL - 57 E	EL - 57 N
Chemical Composition %		SiO ₂	3.50	
		Fe ₂ O ₃	3.30	
		CaO	34.4	
		MgO	0.57	
		Al ₂ O ₃	57.5	
Mineralogical Analysis		-	CaAl ₂ O ₄ - Calcium Aluminate (CA)	
		-	Ca ₂ Al ₂ (SiO ₇) - Gehlenite (C ₂ AS)	
		-	CaAl ₄ O ₇ - Grossite (CA ₂)	
		-	Ca ₁₂ Al ₁₄ O ₃₃ - Mayenite (C ₁₂ A ₇)	
Water/Cement Ratio (Cement)		-	0.3	0.3
Setting Time Vicat Needle (Cement)		min	170	250
Water/Cement Ratio (Castable)		%	7.5	7.5
Working Time		min	150	30
Compressive Strength	After 24 h	MPa	47	56
Specific Surface Area		cm ² /g	5200	4400
Sieve Size retained on 170 mesh (+0.090 mm)		%	0.3	0.3
Package		-	Big Bags or Paper Bags	

The MSDS requests should be sent to sds@grupocurimbaba.com.br.