

Product Specification  
**Clinker Type I-52.5 (M500)**

Clinker Suitable for Low Alkali Portland Cement  
According to: ASTM C150 -En 197-1 - IQS 5

Chemical Analysis				
Test Parameters	Unit	Result	Product Range	Method
SiO <sub>2</sub>	%	22.1	-	
Al <sub>2</sub> O <sub>3</sub>	%	4.5	-	
Fe <sub>2</sub> O <sub>3</sub>	%	5.1	-	
CaO	%	65.1	-	
MgO	%	1.7	Max 2.5	
SO <sub>3</sub>	%	0.40	-	
IR	%	0.40	0.3 ± 0.1	
LOI	%	0.35	Max 0.8	
K <sub>2</sub> O	%	0.61	-	
Na <sub>2</sub> O	%	0.21	-	
Free CaO	%	1.0	1 ± 0.5	
Equivalent Alkalis (Na <sub>2</sub> O + 0.658 K <sub>2</sub> O)	%	0.6	Max 0.65	
LSF	%	92.3	92 ± 2	Bogue Method
SIM	%	2.30	2.4 ± 0.2	" "
ALM	%	0.88	1.2 ± 0.2	" "
C <sub>3</sub> S	%	59.5	Min 58.0	" "
C <sub>2</sub> S	%	18.4	20 ± 3	" "
C <sub>3</sub> A	%	3.3	-	" "
C <sub>4</sub> AF	%	15.5	13 ± 2	" "
SiO <sub>2</sub>	%	22.1	-	
Al <sub>2</sub> O <sub>3</sub>	%	4.5	-	

Note: This a typical specification. For your order, we'll send the specific one.