

## SPECIFICATION - CLINKER

PARAMETERS	UNIT	VALUES
SILICON DIOXIDE (SiO <sub>2</sub> )	%	20.0 ~ 22.0
ALUMINIUM OXIDE (Al <sub>2</sub> O <sub>3</sub> )	%	4.5 ~ 6.0
FERRIC OXIDE (Fe <sub>2</sub> O <sub>3</sub> )	%	3.00 ~ 4.00
CALCIUM OXIDE (CaO)	%	65.0 ~ 66.50
MAGNESIUM OXIDE (MgO)	%	≤ 2.0
SULFUR TRIOXIDE (SO <sub>3</sub> )	%	≤ 0.8
INSOLUBLE RESIDUE (IR)	%	≤ 0.5
LOSS ON IGNITION (LOI)	%	≤ 0.5
FREE LIME (FCaO)	%	≤ 1.0
TOTAL ALKALIES (Na <sub>2</sub> O + 0.658K <sub>2</sub> O)	%	≤ 0.60
CHLORIDE (Cl)	%	≤ 0.05
MOISTURE		≤ 0.20
<b>MINERALOGICAL COMPOSITION</b>		
TRICALCIUM SILICATE (C <sub>3</sub> S)	%	55.0 ~ 62.0
DICALCIUM SILICATE (C <sub>2</sub> S)	%	13.0 ~ 20.0
LIME SATURATION FACTOR (LSF)	%	92.0 ~ 97.0
TRICALCIUM ALUMINATE (C <sub>3</sub> A)	%	7.0 ~ 9.0
TETRACALCIUM ALUMINOFERRITE (C <sub>4</sub> AF)	%	10.0 ~ 12.0
<b>PARTICAL SIZE DISTRIBUTION</b>		
ABOVE 25 mm	%	Max. 5 %
14 ~ 25 mm	%	80 %
10 ~ 14 mm	%	
5 ~ 10 mm	%	
2 ~ 5 mm	%	
1 ~ 2 mm	%	
0 ~ 1 mm	%	Max. 15 %
<b>CLINKER REACTIVITY ( LAB MILL TEST RESULT) CEMI ( TYPE I)</b>		
2 DAYS	Mpa	Min. 20.00
28 DAYS	Mpa	Min. 52.50