



Moderate Sulphate Resisting, Low Alkali Cement, conforming to ASTM C 150-97, Type II.

This type of cement is used when moderate resistance to Sulphate attack is required.

Standard Chemical Requirements		Typical Results of UCC Cement
Silicon Dioxide (SiO ₂)	Min 20.0%	20.3
Aluminium Oxide (Al ₂ O ₃)	Max 6.0 %	4.3
Ferric Oxide (Fe ₂ O ₃)	Max 6.0 %	3.2
Magnesium Oxide (MgO)	Max 6.0 %	1.3
Sulphur Trioxide (SO ₃)	Max 3.0 %	2.7
Alkalis (Na ₂ O+0.658 K ₂ O)	Max 0.6 %	0.4
Loss On Ignition (LOI)	Max 3.0 %	2.8
Insoluble Residue	Max 0.75 %	0.3
Tricalcium Aluminate (C ₃ A)	Max 8 %	6
Standard Physical Requirements		
Air Content of Mortar	Max 12%	3
Fineness Blaine Test (M ² /Kg)	Min 280	350
Autoclave Expansion	Max 0.8 %	0.0
Compressive Strength (Mpa)		
After 3 Days	Min. 10.0	24
After 7 Days	Min. 17.0	31
Setting Time, Initial (Minutes)	Min. 45	140
Final (Minutes)	Max 375	190



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