



High Sulphate Resisting, Low Alkali Portland Cement, conforming to ASTM C 150-97, Type V.

This type of cement is used for the underground or underwater construction work, like ports, building foundations, bridges, dams, specially when high resistance to Sulphate attack is required.

<b>Standard Chemical Requirements</b>		<b>Typical Results of UCC Cement</b>
Magnesium Oxide (MgO)	Max 6.0%	1.4
Sulphur Trioxide (SO <sub>3</sub> )	Max 2.3 %	2.2
Alkalis (Na <sub>2</sub> O+0.658 K <sub>2</sub> O)	Max 0.6%	0.4
Loss on Ignition (LOI)	Max 3.0%	1.0
Insoluble Residue	Max 0.75%	0.2
Tricalcium Aluminate (C <sub>3</sub> A)	Max 5 %	1.5
C <sub>4</sub> AF+2(C <sub>3</sub> A)	Max 25%	16
<b>Standard Physical Requirements</b>		
Air Content of Mortar	Max 12%	3
Fineness Blaine Test (M <sup>2</sup> /Kg)	Min 280	332
Autoclave Expansion	Max 0.8%	-0.02
Compressive Strength (Mpa)		
After 3 Days	Min. 8.0	25
After 7 Days	Min. 15.0	32
After 28 Days	Min. 21.0	43
Setting Time, Initial (Minutes)	Min. 45	150
Final (Minutes)	Max 375	200



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**UNION CEMENT COMPANY**

