



Ordinary Portland Low Alkali Cement, conforming to ASTM C 150-97, Type I.

This type of cement is used for general construction and precast/block factories where early strength is required.

| Standard Chemical Requirements | | Typical Results of UCC Cement |
|--|------------|--------------------------------------|
| Magnesium Oxide (MgO) | Max 6.0% | 1.4 |
| Sulphur Trioxide (SO ₃) | Max 3.5 % | 2.7 |
| Alkalis (Na ₂ O+0.658 K ₂ O) | Max 0.6% | 0.4 |
| Loss On Ignition (LOI) | Max 3.0% | 1.2 |
| Insoluble Residue | Max 0.75 % | 0.3 |
| Standard Physical Requirements | | |
| Air Content of Mortar | Max 12% | 3 |
| Fineness Blaine Test (M ² /Kg) | Min 280 | 330 |
| Autoclave Expansion | Max 0.8% | 0.0 |
| Compressive Strength (Mpa) | | |
| After 3 Days | Min. 12.0 | 25 |
| After 7 Days | Min. 19.0 | 33 |
| Setting Time, Initial (Minutes) | Min. 45 | 140 |
| Final (Minutes) | Max 375 | 190 |



UNION CEMENT COMPANY

