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## Specifications

### CHEMICAL COMPOSITION

Silicon Dioxide (SiO<sub>2</sub>) 20.8 - 21.5  
Aluminium Oxide (Al<sub>2</sub>O<sub>3</sub>) 5.3  
Ferric Oxide (Fe<sub>2</sub>O<sub>3</sub>) 3.25 - 3.5  
Calcium Oxide (CaO) 65.6  
Magnesium Oxide (MgO%) 1.7 - 3.0  
Sulphur Trioxide (SO<sub>3</sub>) 2.7 - 3.0  
Loss Of Ignition (LOI) 1.8 - 3.0 Insoluble Residue % 0.1 - 0.7  
Tricalcium Silicate (C<sub>3</sub>S%) 50.0 - 54.4  
Dicalcium Silicate (C<sub>2</sub>S%) 14.2 - 18.2  
Tricalcium Aluminate (C<sub>3</sub>A%) 6.0 - 6.8  
Tricalcium Alumino Ferrice (C<sub>4</sub>AF%) 11.6  
Chromium (Cr%) 2.0 Max.

### PHYSICAL AND MECHANICAL PROPERTIES

Blain CM<sub>2</sub>/GR 0.02  
Autoclave Expansion 3.25  
Normal Consistency % 27.5  
Initial Setting Time (Hours:Mins) 3.25 - 4.50  
Hard Set (Hours:Mins) 4.54 - 6.00  
Fineness Index (CM<sub>2</sub>/GM) 2800-3040

### COMPRESSIVE STRENGTH ISO/EN 197-1/2000 BS 4550 MORTAR

@ 03 DAYS 2.65 - 34.2 KG/CM<sup>2</sup>  
@ 07 DAYS 37.3 - 42.5 KG/CM<sup>2</sup>  
@ 28 DAYS 52.8 - 54.6 KG/CM<sup>2</sup>

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## Packaging

- \* Bulk in sealed compartments
- \* Bags stacked on pallets (shrink wrapped)
- \* Bags in jumbo bags
  
- \* All shipments are insured against contamination and loss.
  
- \* **Kraft Bags** (buyers' choice)
  - 50.0 KG
  - 42.5 KG
  - 20.0 KG
  
- \* **Jumbo Bags**
  - 1.0 MT
  - 1.5 MT
  - 2.0 MT

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**Other Grades:** 32.5, 52.5, OPC II, III, IV, V and PSC (Portland Slag Cement), Indian Cement Norms IS 8112-1989 (grade 43) and IS 12269-1987 (grade 53), including Sulphate Resistant Cements are also available at different prices and specifications. Most of our cement mills are EU and SABS certified