



Limestone Cement

CEM II 32.5N

CHEMICAL COMPOSITION:

| NO | DESCRIPTION | Formula | Unit | Value |
|----|---------------------------------|--------------------------------|------|-------|
| 1 | Silicon Dioxide | SiO ₂ | % | 15.45 |
| 2 | Aluminum Oxide | Al ₂ O ₃ | % | 4.72 |
| 3 | Ferric Oxide | Fe ₂ O ₃ | % | 3.06 |
| 4 | Calcium Oxide | CaO | % | 67.76 |
| 5 | Magnesium Oxide (Max 5.0) | MgO | % | 0.17 |
| 6 | Sulfur Trioxide (Max 4.0) | SO ₃ | % | 2.71 |
| 7 | Chloride | Cl ⁻ < 0.1 | % | 0.02 |
| 8 | Insoluble residue (Max 5.0) | I.R < 5 | % | 0.45 |
| 9 | Loss On ignition | L.O.I | % | 13.22 |
| 10 | Free - Lime < 2 | F-CaO < 2 | % | 1.2 |
| 11 | Chromium Hexavalent (Max 2.0) | Cr VI ≤ 2 | ppm | 1.3 |

PHYSICS TEST

| | | | | |
|---|---------------------------------|-------------------|---------------------|------|
| 1 | Fineness (Blaine) | | Cm ² / g | 4875 |
| 2 | Water consistency | | % | 27 |
| 3 | Initial setting time | Min 75 | Minutes | 117 |
| 4 | Final setting time | | Minutes | 177 |
| 5 | 7 Day Flexural | | MPa | 6.1 |
| 6 | 7 Day (Compressive Strength) | Min 16 | MPa | 32.1 |
| 7 | 28 Day Flexural | | MPa | 7.7 |
| 8 | 28 Day (Compressive Strength) | Min 32.5-Max 52.5 | MPa | 43 |
| 9 | Soundness | Max 10mm | mm | 1.5 |

Phone +55 47 99661-6930 / +55 41 8890 5797

E-mail: info@alzak.com

Address: Bulding 1804 King Hamid Sultan Hamid Ben Moizah- Deirah - Dubai