AMRIZE

eco 45% reduction in $CO_2$

# MaxCem® Mill Test Report

## Month of Issue: July 2025

| | |
|---|---|
| **Plant:** | **Seattle, Washington** |
| **Product:** | **MaxCem® - Type IT(L11)(S30)MS & GULb-30S** |
| **Month of Production:** | **June 2025** |
| **Mill Test Report Number:** | **SEA_MAXCEM_July_2025** |

### ASTM C 595, AASHTO M 240 and CSA A3000 Standard Requirements

**CHEMICAL ANALYSIS**

| Item | Spec limit | Test Result |
|---|---|---|
| Rapid Method, X-Ray *(C 114)* | | |
| SiO2 (%) | --- | 21.0 |
| Al2O3 (%) | --- | 6.2 |
| Fe2O3 (%) | --- | 2.4 |
| CaO (%) | --- | 53.1 |
| MgO (%) | --- | 2.4 |
| Sulphate as SO3 (%) | 3.0 max* | 4.0 |
| Loss on ignition (%) | 10.0 max | 5.5 |
| Total Alkalis (Type IL) | --- | 0.5 |
| Slag addition (%) | | 30 |
| Richmond Type IL (%) | | 70 |

**PHYSICAL ANALYSIS**

| Item | Spec limit | Test Result |
|---|---|---|
| Air content of mortar (%) *(C 185)* | 12 max | 8 |
| Blaine Fineness (m2/kg) *(C 204)* | --- | 492 |
| Fineness, Residue retained on a 45 um sieve (%) | --- | 1.4 |
| Compressive strength PSI [MPA] *(C 109)* | | |
| 3 days | 1890 min | 2780 [19.2] |
| 7 days | 2900 min | 4120 [28.4] |
| 28 days Previous Month | 3620 min | 6000 [41.4] |
| Time of setting (minutes) | | |
| Vicat Initial *(C 191)* | 45 - 420 | 134 |
| C-1038 Expansion 14-day (%) (C 1038)* | 0.020 | 0.007 |

*Chemical requirements states that SO3 content above 3.0 is permissible if the C1038 expansion is below 0.020% at 14 days.

**We certify that the above described cement, at the time of shipment, meets the chemical and physical ASTM C595, AASHTO M 240 and CSA A3000 Standard Requirements**

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**Certified By:**

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**July 3, 2025**