



# MaxCem® Mill Test Report

Month of Issue: July 2024

<b>Plant:</b>	<b>Seattle, Washington</b>
<b>Product:</b>	<b>MaxCem® - Type IT(L11)(S30)MS</b>
<b>Month of Production:</b>	<b>June 2024</b>
<b>Mill Test Report Number:</b>	<b>SEA_MAXCEM_60-40_July 2024</b>

### ASTM C 595 and AASHTO M 240 Standard Requirements

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS		
Item	Spec limit	Test Result	Item	Spec limit	Test Result
<i>Rapid Method, X-Ray (C 114)</i>			<i>Air content of mortar (%) (C 185)</i>		
SiO2 (%)	---	22.9		12 max	6
Al2O3 (%)	---	7.2	<i>Blaine Fineness (m2/kg) (C 204)</i>		
Fe2O3 (%)	---	2.2		---	468
CaO (%)	---	55.5	<i>Fineness, Residue retained on a 45 um sieve (%)</i>		
MgO (%)	---	2.1		---	2.0
Sulphate as SO3 (%)	3.0 max*	2.8	<i>Compressive strength ([PSI]) (C 109)</i>		
Loss on ignition (%)	10.0 max	5.4		1890 min	2680
Total Alkalis (Type IL)	---	0.5		2900 min	4030
Slag addition (%)		30		3620 min	6390
Richmond Type IL (%)		70	<i>Time of setting (minutes) Vicat Initial (C 191)</i>		
				45 - 420	139
			<i>C-1038 Expansion 14-day (%) (C 1038)*</i>		
				0.020	-0.004

\*Table 1 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 Standard Requirements and AASHTO M 240.**

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Certified By:

**Rob Shogren - Technical Director**

July 1, 2024