



MaxCem® Mill Test Report

Month of Issue: September 2023

Plant: Seattle, Washington
 Product: MaxCem® - Type IT(L11)(S30)MS
 Month of Production: August 2023
 Mill Test Report Number: SEA_MAXCEM_September2023

ASTM C 595 and AASHTO M 240 Standard Requirements

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS		
Item	Spec limit	Test Result	Item	Spec limit	Test Result
Rapid Method, X-Ray (C 114)			Air content of mortar (%) (C 185)		
SiO2 (%)	---	22.1		12 max	5
Al2O3 (%)	---	6.9	Blaine Fineness (m2/kg) (C 204)		
Fe2O3 (%)	---	2.4		---	496
CaO (%)	---	54.1	Fineness, Residue retained on a 45 um sieve (%)		
MgO (%)	---	1.9		---	2.8
Sulphate as SO3 (%)	3.0 max*	3.0	Autoclave expansion (%) (C 151)		
Loss on ignition (%)	10.0 max	5.2		0.80 max -0.20 min	-0.01
Total Alkalis (Type IL)	---	0.49	Compressive strength ([PSI]) (C 109)		
Slag addition (%)		30	3 days	1890 min	3130
Richmond Type IL (%)		70	7 days	2900 min	4410
			28 days Previous Month	3620 min	6440
			Time of setting (minutes) Vicat Initial (C 191)		
				45 - 420	126
			C-1038 Expansion 14-day (%) (C 1038)*		
				0.020	0.003

*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:

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August 31, 2023