



MaxCem® Mill Test Report

Month of Issue: January 2025

Plant: Seattle, Washington
Product: MaxCem® - Type IT(L11)(S30)MS
Month of Production: December 2024
Mill Test Report Number: SEA_MAXCEM_January_2025

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)					
SiO ₂ (%)	---	22.1	Air content of mortar (%) (C 185)	12 max	6
Al ₂ O ₃ (%)	---	6.6	Blaine Fineness (m ² /kg) (C 204)	---	516
Fe ₂ O ₃ (%)	---	2.6	Fineness, Residue retained on a 45 um sieve (%)	---	1.8
CaO (%)	---	55.0	Compressive strength ([PSI]) (C 109)		
MgO (%)	---	1.9	3 days	1890 min	2770
Sulphate as SO ₃ (%)	3.0 max*	3.2	7 days	2900 min	3960
			28 days Previous Month	3620 min	6220
Loss on ignition (%)	10.0 max	6.1	Time of setting (minutes)	45 - 420	142
			Vicat Initial (C 191)		
Total Alkalis (Type IL)	---	0.48	C-1038 Expansion 14-day (%) (C 1038)*	0.020	0.003
Slag addition (%)		30			
Richmond Type IL (%)		70			

*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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December 26, 2024