



MaxCem® Mill Test Report

Month of Issue: June 2022

Plant: Seattle, Washington
 Product: MaxCem® - Type IT(L11)(S30)MS
 Month of Production: May of 2022
 Mill Test Report Number: SEA_MAXCEM_June2022

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 (%)	---	24.0		12 max	7
Al2O3 (%)	---	7.3	Blaine Fineness (m2/kg) (C 204)		
Fe2O3 (%)	---	2.4		---	474
CaO (%)	---	58.3	Fineness, Residue retained on a 45 um sieve (%)		
MgO (%)	---	2.5		---	3.4
Sulphate as SO3 (%)	3.0 max*	3.3	Autoclave expansion (%) (C 151)		
Sulfide Sulfur (S) (%)	2.0 max	0.24		0.80 max	0.00
Loss on ignition (%)	10.0 max	4.3		-0.20 min	
Total Alkalis (Type IL)	---	0.43	Compressive strength (MPa, [PSI]) (C 109)		
Slag addition (%)		30		1890 min	2780
Richmond Type IL (%)		70		20.0 [2900] min	4030
				25.0 [3620] min	5770
			Time of setting (minutes)		
				45 - 420	128
			Vicac Initial (C 191)		
				0.020	0.004
			C-1038 Expansion 14-day (%) (C 1038)*		

*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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June 9, 2022