



MaxCem 50 Mill Test Report

Month of Issue: JANUARY 2020

Plant: Seattle, Washington
 Product: Type IT(L8)(S50)
 Shipped: DECEMBER 2020
 Mill Test Report Number: SEA_MAXCEM50_JANUARY2021

ASTM C 595-17 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 (%)	---	27.2		12 max	4
Al2O3 (%)	---	9.7	Blaine Fineness (m2/kg) (C 204)		
Fe2O3 (%)	---	2.0		---	485
CaO (%)	---	52.4	Fineness, Residue retained on a 45 um sieve (%)		
MgO (%)	---	3.5		---	2.7
Sulphate as SO3 (%)	3.0 max*	3.5	Autoclave expansion (%) (C 151)		
Sulfide Sulfur (S) (%)	2.0 max	0.33		0.80 max	-0.02
Loss on ignition (%)	10.0 max	0.7		-0.20 min	
Total Alkalis (Type IL)	---	0.4	Compressive strength (MPa, [PSI]) (C 109)		
Rich Mill Cert #R-TIL-20-05					
Slag addition (%)		50	7 days		
Richmond Type IL (%)		50		20.0 [2900] min	4440 [30.6]
			28 days Previous Month		
				25.0 [3620] min	6920 [47.7]
			Time of setting (minutes)		
			Vicat Initial (C 191)		
				45 - 420	130

*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 C595-17 Standard Requirements.

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Certified By:

Daniel Waldron - QC Laboratory Supervisor

January 14, 2021