



MaxCem® Mill Test Report

Month of Issue: January 2021

Plant: Seattle, Washington

Product: MaxCem® - Type IT(L11)(S30)

Shipped: December 2020

Mill Test Report Number: SEA_MAXCEM_JANUARY2021

ASTM C 595-17 and AASHTO M 240-17 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)	12 max	5
SiO2 (%)		22.7			
			Blaine Fineness (m2/kg) (C 204)		484
Al2O3 (%)		7.4			
			Fineness, Residue retained on a 45 um		2.3
Fe2O3 (%)		2.5	sieve (%)		
CaO (%)		57.4	Autoclave expansion (%) (C 151)	0.80 max	0.00
(3.5)				-0.20 min	
MgO (%)		2.1	Compressive strength (MPa, [PSI]) (C 109)		
3 - (,			3 days	13.0 [1890] min	26.1 [3790]
Sulphate as SO3 (%)	3.0 max*	3.4	7 days	20.0 [2900] min	35.1 [5090]
Sulfide Sulfur (S) (%)	2.0 max	0.24	28 days, Previous Month	25.0 [3620] min	48.9 [7084]
Loss on ignition (%)	10.0 max	3.9	Time of setting (minutes)		
			Vicat Initial (C 191)	45 - 420	99
Total Alkalis (Type IL)		0.52	C-1038 Expansion 14-day (%) (C 1038)*	0.020	0.008
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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 C595-17 Standard Requirements and AASHTO M 240-17.

Certified By:

US West BU - Seattle Plant 5400 W. Marginal Way SW, Seattle, WA 98106

Phone: 206-937-8025

Daniel Waldron - QC Laboratory Supervisor

DanielWald

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