

Cement

NewCem Plus

Analysis by: Lafarge Concrete Lab
 Sample from : Seattle Blending Facility
 Average Analysis: September 2021
 Mill Certificate ID: 10-21 BSCM



Chemical Analysis

Total Alkalies as Equivalent Na ₂ O	2.42 %
CaO Fly Ash *	14 %
SO ₃ Fly Ash *	0.8 %
SO ₃ Slag **	4.5 %
S Ion Slag **	0.8 %

Physical Analysis

Ground Granulated Blast Furnace Slag SAI, 28 Day **	103 %
Class/Type F Fly Ash Pozzolanic Activity Index, 28 Day *	101 %
LOI Fly Ash *	0.23 %
Autoclave Fly Ash *	0.02 %
Autoclave Slag **	-0.01 %
45 _u Fly Ash*	15.8 %
45 _u Slag**	4.5 %
Density	2.78 Mg/m ³

Cementitious Blend

Class/Type F Fly Ash Blend Percentage	50 %
Ground Granulated Blast Furnace Slag Blend Percentage	50 %

We hereby certify this blended SCM product meets the requirements of ASTM C-1697 SCMb-50S/50F and CSA A-3000 Bmb-50F/S.

Certified : 

Rob Shogren, P.E.
 Technical Engineer
 Lafarge North America

* 10-21F Centralia Class/Type F Fly Ash Cert

** SEA_NEWCEM_Oct2021 Ground Granulated Blast Furnace Slag Cert