

Mill Test Certificate Report - White Cement

Type: I per ASTM C150 and AASHTO M85

Test Period: April-16

Certification

We certify the cement described here, at the time of shipment, meets chemical and physical requirements of the current ASTM C-150, and AASHTO M-85 specifications for Type I. We further certify that at the time of shipment it meets the ASTM C-150 Optional Requirement for low alkali cement having less than 0.6% Equivalent Alkalies (Na2O + 0.658K2O). We are not responsible for improper use or workmanship.

General Information

Supplier: Lehigh White Cement Company

Source Location: York Plant

Address: 200 Hokes Mill Road

York, PA 17404

Consignee: Address:

Test Data on ASTM "Standard" Requirements and Results

Item	Unit	Limit	Results	ltem	Unit	Limit	Results
SiO ₂	%	A	21.4	Fineness:	1 0	Linit	Nesuits
Al_2O_3	%	A	3.8	Passing 45µm (No. 325)	%	Α	98.3
Fe ₂ O ₃	%	Α	0.4	Blaine Fineness	m²/kg	260 min	542
CaO	%	Α	67.0			200 111111	042
MgO	%	6.0 max	1.4	Autoclave Expansion	%	0.80 max	0.08
SO ₃	%	3.5 max ^B	2.8	Participate Expansion	70	0.qu max	0.08
Equivalent Alkalies	%	0.60 max ^C	0.05	Air Content	%	12 max	5
Loss on Ignition	%	3.5 max	3.0			12 max	
Insoluble Residue	%	1.5 max	0.18	Time of setting; Vicat test:	minutes	45 min	
CO ₂	%	A	1.8	Time of setting; Vicat test:	minutes	375 max	110
Limestone	%	5.0 max	4.5	Final time of setting; Vicat test:	minutes	A	205
CaCO₃ in Limestone	%	70 min	97	g,	- minated		
					Limit	Results	Results
Potential Compound	s:			Compressive Strengths	MPa ^D	MPa ^D	psi
C ₃ S	%	A	67	1-Day	Α	20.0	2,900
C₂S	%	A	11	3-Day	12.0 min	38.2	5,539
C ₃ A	%	A	9	7-Day	19.0 min	44.4	6,438
C₄AF	%	A	1	28-Day ^E	Α	52.7	7,642
^A Not Applicable. Permissible to exceed SO3 li	mit provided /	ASTM C1038 to	esting	^C Optional Limit for Equivalent AI D MPa = 145 psi	kalis (Na2O	+ 0.658K2O)	%

May	8,	201	6
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Date

Rick Ashton

Quality Control Manager