



Capitol Cement
11551 Nacogdoches Rd.
San Antonio, TX 78217

ECO-MENT SPEC® Type I L (10)

Date: December 10, 2025

Production Period:

Beginning November 1, 2025
Ending November 30, 2025

CHEMICAL		PHYSICAL			
Item	Spec. Limit	Test Result	Item	Spec. Limit	Test Result
SiO2 (%)		<u>19.0</u>	Air Content of Mortar (volume %)	<i>12 max</i>	<u>5.6</u>
Al2O3 (%)		<u>4.8</u>			
Fe2O3 (%)		<u>2.6</u>	Blaine Fineness (m ² /kg)	<i>A</i>	<u>431</u>
CaO (%)		<u>67</u>			
MgO (%)		<u>1.0</u>	ASTM C1038	<i>0.020%</i>	<u>0.013</u>
SO3 (%)	<i>3.0% max (b)</i>	<u>4.2</u>	Density		<u>3.03</u>
Na2O (%)	<i>A</i>	<u>0.10</u>			
K2O (%)	<i>A</i>	<u>0.51</u>	Time of Setting (minutes)		
Equivalent alkalis (%)	<i>C</i>	<u>0.43</u>			
	<i>minimum</i>	<u>0.42</u>	Vicat, Initial	<i>Not less than 45</i>	<u>114</u>
	<i>maximum</i>	<u>0.45</u>	Vicat, Final	<i>Not more than 420</i>	<u>280</u>
Ignition Loss (%)	<i>10% max</i>	<u>5.9</u>	Compressive Strength		
Class F Fly Ash (%)			1 Day (psi)	<i>A</i>	<u>2,140</u>
CaO % in Ash	<i>A</i>		3 Day (psi)	<i>minimum (1890)</i>	<u>4,160</u>
Pumicite (%)			7 Day (psi)	<i>minimum (2900)</i>	<u>5,140</u>
Limestone (%)	<i>10% +/- 2.5%</i>	<u>10.59</u>	28 Day (psi) (Oct)	<i>minimum (3620)</i>	<u>6,180</u>
CO2 (%)		<u>4.50</u>			
CaCO3 in Limestone (%)					

(A) Not Applicable; (b) It is permissible to exceed the limit for SO3, provided it has been demonstrated by Test Method C-1038 that the cement will not develop expansion exceeding 0.020% at 14 days. (C) Reported equivalent alkalis are of the finished cement.

We certify that the above cement, at the time of shipment meets the chemical and physical requirements of the current ASTM C 595, C 1012, C 227 specifications. The above data represents the averages of representative samples from production.



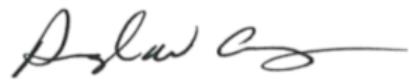
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Douglas Conroy, Director Technical Services