



Capitol Cement
11551 Nacogdoches Rd.
San Antonio, TX 78217

ECO-MENT ENDURE® - Type IP (25) (HS) Cement

Date: November 7, 2025

Production Period:

Beginning October 1, 2025

Ending October 31, 2025

CHEMICAL			PHYSICAL		
Item	Spec. Limit	Test Result	Item	Spec. Limit	Test Result
SiO ₂ (%)	A	<u>29.4</u>	Air Content of Mortar (volume %)	12 max	<u>2.8</u>
Al ₂ O ₃ (%)	A	<u>9.1</u>			
Fe ₂ O ₃ (%)	A	<u>3.0</u>	Blaine Fineness (m ² /kg)	A	<u>386</u>
CaO (%)	A	<u>52</u>			
MgO (%)	6.0% max	<u>1.2</u>	ASTM C1038		<u></u>
SO ₃ (%)	4.0% max	<u>2.9</u>			
			Density		<u>2.84</u>
Na ₂ O (%)	A	<u>0.51</u>			
K ₂ O (%)	A	<u>0.77</u>	Time of Setting (minutes)		
Equivalent alkalis (%)	A	<u>1.01</u>	Vicat, Initial	Not less than 45	<u>115</u>
	minimum	<u>0.95</u>	Vicat, Final	Not more than 420	<u>298</u>
	maximum	<u>1.13</u>			
Ignition Loss (%)	5.0%	<u>1.8</u>	Compressive Strength		
Class F Fly Ash (%)		<u>20.03</u>	1 Day (psi)	A	<u>2,230</u>
CaO % in Ash		<u>2.41</u>	3 Day (psi)	minimum (1890)	<u>3,530</u>
Pumicite (%)		<u></u>	7 Day (psi)	minimum (2900)	<u>4,230</u>
Limestone (%)		<u></u>	28 Day (psi) (Sep)	minimum (3620)	<u>5,540</u>
CO ₂ (%)		<u></u>			
CaCO ₃ in Limestone (%)		<u></u>			

(A) Not Applicable

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, specifications. The above data represents the averages of representative samples from production.

Douglas Conroy, Director Technical Services