



Capitol Cement
11551 Nacogdoches Rd.
San Antonio, TX 78217

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

Date: July 9, 2026

Production Period:

Beginning June 1, 2026

Ending June 30, 2026

CHEMICAL			PHYSICAL		
Item	Spec. Limit	Test Result	Item	Spec. Limit	Test Result
SiO ₂ (%)	A	<u>30.1</u>	Air Content of Mortar (volume %)	<i>12 max</i>	<u>2.1</u>
Al ₂ O ₃ (%)	A	<u>9.6</u>	Blaine Fineness (m ² /kg)	A	<u>414</u>
Fe ₂ O ₃ (%)	A	<u>3.5</u>	ASTM C1038		<u></u>
CaO (%)	A	<u>51</u>	Density		<u>2.88</u>
MgO (%)	<i>6.0% max</i>	<u>1.1</u>	Time of Setting (minutes)		
SO ₃ (%)	<i>4.0% max</i>	<u>2.9</u>	Vicat, Initial	<i>Not less than 45</i>	<u>145</u>
Na ₂ O (%)	A	<u>0.24</u>	Vicat, Final	<i>Not more than 420</i>	<u>339</u>
K ₂ O (%)	A	<u>0.78</u>	Compressive Strength		
Equivalent alkalis (%)	A	<u>0.75</u>	1 Day (psi)	A	<u>2,090</u>
	<i>minimum</i>	<u>0.65</u>	3 Day (psi)	<i>minimum (1890)</i>	<u>3,340</u>
	<i>maximum</i>	<u>0.82</u>	7 Day (psi)	<i>minimum (2900)</i>	<u>4,200</u>
Ignition Loss (%)	<i>5.0%</i>	<u>2.2</u>	28 Day (psi) (May)	<i>minimum (3620)</i>	<u>5,920</u>
Class F Fly Ash (%)		<u>23.11</u>			
CaO % in Ash		<u>4.63</u>			
Pumicite (%)		<u></u>			
Limestone (%)		<u></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.


Violeta Vega-Gomez, Quality Control Manager