



Capitol Cement
11551 Nacogdoches Rd.
San Antonio, TX 78217

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

Date: April 8, 2025

Production Period:

Beginning March 1, 2025

Ending March 31, 2025

CHEMICAL			PHYSICAL		
Item	Spec. Limit	Test Result	Item	Spec. Limit	Test Result
SiO ₂ (%)	A	<u>31.4</u>	Air Content of Mortar (volume %)	<i>12 max</i>	<u>0.6</u>
Al ₂ O ₃ (%)	A	<u>10.3</u>			
Fe ₂ O ₃ (%)	A	<u>2.9</u>	Blaine Fineness (m ² /kg)	A	<u>401</u>
CaO (%)	A	<u>50</u>			
MgO (%)	<i>6.0% max</i>	<u>1.0</u>	ASTM C1038		<u></u>
SO ₃ (%)	<i>4.0% max</i>	<u>3.1</u>	Density		<u>2.85</u>
Na ₂ O (%)	A	<u>0.21</u>			
K ₂ O (%)	A	<u>0.77</u>	Time of Setting (minutes)		
Equivalent alkalis (%)	A	<u>0.71</u>	Vicat, Initial	<i>Not less than 45</i>	<u>105</u>
	<i>minimum</i>	<u>0.69</u>	Vicat, Final	<i>Not more than 420</i>	<u>190</u>
	<i>maximum</i>	<u>0.73</u>			
Ignition Loss (%)	<i>5.0%</i>	<u>2.2</u>	Compressive Strength		
Class F Fly Ash (%)		<u>23.90</u>	1 Day (psi)	A	<u>1,800</u>
CaO % in Ash	A	<u>4.62</u>	3 Day (psi)	<i>minimum (1890)</i>	<u>3,050</u>
Pumicite (%)		<u></u>	7 Day (psi)	<i>minimum (2900)</i>	<u>3,900</u>
Limestone (%)		<u></u>	28 Day (psi) (Feb)	<i>minimum (3620)</i>	<u>5,710</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.


Mike Watson, Quality Manager