



Capitol Cement
11551 Nacogdoches Rd.
San Antonio, TX 78217

Type III Cement - C 150/C 150M

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>20.7</u>	Air Content of Mortar (volume %)	<i>12 maximum</i>	<u>3.9</u>
Al ₂ O ₃ (%)	A	<u>5.3</u>	Blaine Fineness (m ² /kg)		<u>627</u>
Fe ₂ O ₃ (%)	A	<u>1.7</u>	ASTM C1038	<i>max 0.02%</i>	<u>0.007</u>
CaO (%)	A	<u>65</u>			
MgO (%)	<i>6.0 maximum</i>	<u>1.0</u>			
SO ₃ (%)	<i>4.5 D</i>	<u>4.8</u>			
Na ₂ O (%)	A	<u>0.08</u>	Time of Setting (minutes)		
K ₂ O (%)	A	<u>0.55</u>	Vicat, Initial	<i>Not less than 45</i>	<u>90</u>
Equivalent alkalis (%)		<u>0.44</u>	Vicat, Final	<i>Not more than 375</i>	<u>165</u>
	<i>minimum</i>	<u>0.44</u>			
	<i>maximum</i>	<u>0.44</u>			
Ignition Loss (%)	<i>3.0 maximum</i>	<u>2.5</u>	Compressive Strength		
Insoluble Residue (%)	<i>1.5 maximum</i>	<u>0.86</u>	1 Day (psi)	<i>minimum (1740)</i>	<u>3,980</u>
Limestone (%)	A		3 Day (psi)	<i>minimum (3480)</i>	<u>5,250</u>
CO ₂ (%)	A		7 Day (psi)	A	<u>5,710</u>
CaCO ₃ in Limestone (%)			28 Day (psi) (Feb)	A	<u>6,900</u>
C ₃ A (%)	<i>15 maximum</i>	<u>11</u>			
C ₃ S (%)	A	<u>57</u>			
C ₂ S (%)	A	<u>17</u>			
C ₄ AF (%)	A	<u>5</u>			

(A) Not Applicable

D Note D additional information upon request.

We certify that the above cement, at the time of shipment meets the chemical and physical requirements of the current ASTM C 150 and AASHTO M85 specifications. The above data represents the averages of representative samples from production.


Mike Watson, Quality Manager