



Capitol Cement
11551 Nacogdoches Rd.
San Antonio, TX 78217

Type III Cement - C 150/C 150M

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
SiO ₂ (%)	A	<u>20.0</u>	Air Content of Mortar (volume %)	<i>12 maximum</i>	<u>5.2</u>
Al ₂ O ₃ (%)	A	<u>4.9</u>	Blaine Fineness (m ² /kg)		<u>676</u>
Fe ₂ O ₃ (%)	A	<u>2.3</u>	ASTM C1038	<i>max 0.02%</i>	<u>0.002</u>
CaO (%)	A	<u>66</u>			
MgO (%)	<i>6.0 maximum</i>	<u>1.0</u>			
SO ₃ (%)	<i>4.5 D</i>	<u>5.3</u>			
Na ₂ O (%)	A	<u>0.43</u>	Time of Setting (minutes)		
K ₂ O (%)	A	<u>0.55</u>	Vicat, Initial	<i>Not less than 45</i>	<u>75</u>
Equivalent alkalis (%)		<u>0.79</u>	Vicat, Final	<i>Not more than 375</i>	<u>187</u>
	<i>minimum</i>	<u>0.79</u>			
	<i>maximum</i>	<u>0.79</u>			
Ignition Loss (%)	<i>3.0 maximum</i>	<u>2.9</u>	Compressive Strength		
Insoluble Residue (%)	<i>1.5 maximum</i>	<u>0.90</u>	1 Day (psi)	<i>minimum (1740)</i>	<u>3,590</u>
Limestone (%)	A		3 Day (psi)	<i>minimum (3480)</i>	<u>5,130</u>
CO ₂ (%)	A		7 Day (psi)	A	<u>5,800</u>
CaCO ₃ in Limestone (%)			28 Day (psi) (Oct)	A	<u>6,500</u>
C ₃ A (%)	<i>15 maximum</i>	<u>9</u>			
C ₃ S (%)	A	<u>66</u>			
C ₂ S (%)	A	<u>7</u>			
C ₄ AF (%)	A	<u>7</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.

Douglas Conroy, Director Technical Services