



Capitol Cement  
11551 Nacogdoches Rd.  
San Antonio, TX 78217

ECO-MENT SPEC® Type I L (10)

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 <sub>2</sub> (%)               |                     | <u>19.0</u>  | Air Content of Mortar (volume %)     | <i>12 max</i>            | <u>5.6</u>   |
| Al <sub>2</sub> O <sub>3</sub> (%) |                     | <u>4.8</u>   |                                      |                          |              |
| Fe <sub>2</sub> O <sub>3</sub> (%) |                     | <u>2.6</u>   | Blaine Fineness (m <sup>2</sup> /kg) | <i>A</i>                 | <u>431</u>   |
| CaO (%)                            |                     | <u>67</u>    |                                      |                          |              |
| MgO (%)                            |                     | <u>1.0</u>   | ASTM C1038                           | <i>0.020%</i>            | <u>0.013</u> |
| SO <sub>3</sub> (%)                | <i>3.0% max (b)</i> | <u>4.2</u>   | Density                              |                          | <u>3.03</u>  |
| Na <sub>2</sub> O (%)              | <i>A</i>            | <u>0.10</u>  |                                      |                          |              |
| K <sub>2</sub> O (%)               | <i>A</i>            | <u>0.51</u>  | Time of Setting (minutes)            |                          |              |
| Equivalent alkalis (%)             | <i>C</i>            | <u>0.43</u>  | Vicat, Initial                       | <i>Not less than 45</i>  | <u>114</u>   |
|                                    | <i>minimum</i>      | <u>0.42</u>  | Vicat, Final                         | <i>Not more than 420</i> | <u>280</u>   |
|                                    | <i>maximum</i>      | <u>0.45</u>  |                                      |                          |              |
| Ignition Loss (%)                  | <i>10% max</i>      | <u>5.9</u>   | Compressive Strength                 |                          |              |
| Class F Fly Ash (%)                |                     | <u></u>      | 1 Day (psi)                          | <i>A</i>                 | <u>2,140</u> |
| CaO % in Ash                       | <i>A</i>            | <u></u>      | 3 Day (psi)                          | <i>minimum (1890)</i>    | <u>4,160</u> |
| Pumicite (%)                       |                     | <u></u>      | 7 Day (psi)                          | <i>minimum (2900)</i>    | <u>5,140</u> |
| Limestone (%)                      | <i>10% +/- 2.5%</i> | <u>10.59</u> | 28 Day (psi) (Oct)                   | <i>minimum (3620)</i>    | <u>6,180</u> |
| CO <sub>2</sub> (%)                |                     | <u>4.50</u>  |                                      |                          |              |
| CaCO <sub>3</sub> in Limestone (%) |                     | <u></u>      |                                      |                          |              |

(A) Not Applicable; (b) It is permissible to exceed the limit for SO<sub>3</sub>, provided it has been demonstrated by Test Method C-1038 that the cement will not develop expansion exceeding 0.020% at 14 days. (C) Reported equivalent alkalis are of the finished cement.

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, C 227 specifications. The above data represents the averages of representative samples from production.



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A handwritten signature in black ink, appearing to read 'Douglas Conroy', is written over a horizontal line.

**Douglas Conroy, Director Technical Services**