

# CAROLINA STALITE COMPANY

MANUFACTURERS OF LIGHTWEIGHT AGGREGATE "STALITE"

PHONE 704-637-1515 FAX 704-642-1572



DRAWER 1037 SALISBURY, N.C. 28145-1037

SHIPPING POINTS: GOLD HILL, NC; AQUADALE, NC

## TEST REPORT FOR CONCRETE MASONRY UNITS ASTM C90 Certification Tested per ASTM C140

PLANT: JCC - Willow Springs

4 Inch Residential

Date Tested: 9/10/2024

BLOCK TYPE: Mediumweight

Date Produced: Not Reported

Gray

| BLOCK DIMENSIONS    |                    |                   |                 | AVERAGE THICKNESS (in)            |             |
|---------------------|--------------------|-------------------|-----------------|-----------------------------------|-------------|
| NO.                 | LENGTH (IN)        | WIDTH (IN)        | HEIGHT (IN)     |                                   |             |
| 1                   | 15.64              | 3.67              | 7.65            | WEB                               | 1.07        |
|                     | 15.63              | 3.67              | 7.66            | FACE                              | 1.09        |
| 2                   | 15.63              | 3.69              | 7.69            | WEB AREA<br>(in <sup>2</sup> /sf) | 29.47       |
|                     | 15.62              | 3.67              | 7.68            |                                   |             |
| 3                   | 15.61              | 3.65              | 7.68            | EQUIVALENT                        | 2.55        |
|                     | 15.62              | 3.66              | 7.70            |                                   |             |
| PHYSICAL PROPERTIES |                    |                   |                 |                                   |             |
| NO.                 | REC'D WEIGHT       | SAT WEIGHT        | IMMERS'D WEIGHT | DRY WEIGHT                        | DENSITY PCF |
| 1                   | 21.55              | 22.41             | 11.44           | 20.37                             | 115.86      |
| 2                   | 21.45              | 22.76             | 11.50           | 20.50                             | 113.70      |
| 3                   | 21.11              | 22.27             | 11.32           | 20.25                             | 115.39      |
| AVERAGE             | 21.37              | 22.48             | 11.42           | 20.37                             | 114.98      |
| NO.                 | MOISTURE CONTENT   | VOLUME, (CU. FT.) |                 | ABS. % Weight                     | ABS. PCF    |
|                     |                    | GROSS             | NET             |                                   |             |
| 1                   | 57.67              | 0.25              | 0.18            | 10.05                             | 11.64       |
| 2                   | 42.15              | 0.26              | 0.18            | 10.99                             | 12.50       |
| 3                   | 42.63              | 0.25              | 0.18            | 9.99                              | 11.52       |
| AVERAGE             | 47.48              | 0.25              | 0.18            | 10.34                             | 11.89       |
| NO.                 | AVG. AREA, SQ. IN. |                   | LOAD, (LBS)     | GROSS, (PSI)                      | NET, (PSI)  |
|                     | GROSS              | NET               |                 |                                   |             |
| 1                   | 57.37              | 39.72             | 130710          | 2278                              | 3290        |
| 2                   | 57.61              | 40.51             | 142200          | 2468                              | 3510        |
| 3                   | 56.98              | 39.47             | 127730          | 2242                              | 3240        |
| AVERAGE             | 57.32              | 39.90             | 133546.67       | 2330                              | 3350        |

The blocks tested met ASTM C-90 specifications for the tests performed

Equivalent Thickness of the blocks tested indicates a fire rating of

<1 hour based on ACI 216.1 tables.

Submitted By:

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