

# 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 - Lexington  
Date Tested: 2/7/2021  
Date Produced: Not Reported

BLOCK TYPE: 6 Inch Commercial  
Lightweight  
Gray

| BLOCK DIMENSIONS |             |            |             | AVERAGE THICKNESS (in)            |       |
|------------------|-------------|------------|-------------|-----------------------------------|-------|
| NO.              | LENGTH (IN) | WIDTH (IN) | HEIGHT (IN) |                                   |       |
| 1                | 15.64       | 5.64       | 7.61        | WEB                               | 1.16  |
|                  | 15.62       | 5.65       | 7.56        | FACE                              | 1.16  |
| 2                | 15.64       | 5.64       | 7.61        | WEB AREA<br>(in <sup>2</sup> /sf) | 32.17 |
|                  | 15.63       | 5.66       | 7.61        |                                   |       |
| 3                | 15.64       | 5.65       | 7.63        | EQUIVALENT                        | 3.31  |
|                  | 15.63       | 5.66       | 7.60        |                                   |       |

| PHYSICAL PROPERTIES |                    |                   |                 |               |             |
|---------------------|--------------------|-------------------|-----------------|---------------|-------------|
| NO.                 | REC'D WEIGHT       | SAT WEIGHT        | IMMERS'D WEIGHT | DRY WEIGHT    | DENSITY PCF |
| 1                   | 24.27              | 26.15             | 11.90           | 23.19         | 101.56      |
| 2                   | 24.14              | 26.11             | 12.03           | 23.14         | 102.54      |
| 3                   | 24.63              | 26.39             | 11.99           | 23.45         | 101.67      |
| AVERAGE             | 24.35              | 26.22             | 11.97           | 23.26         | 101.92      |
| NO.                 | MOISTURE CONTENT   | VOLUME, (CU. FT.) |                 | ABS. % Weight | ABS. PCF    |
|                     |                    | GROSS             | NET             |               |             |
| 1                   | 36.49              | 0.39              | 0.23            | 12.76         | 12.96       |
| 2                   | 33.58              | 0.39              | 0.23            | 12.82         | 13.14       |
| 3                   | 40.15              | 0.39              | 0.23            | 12.51         | 12.72       |
| AVERAGE             | 36.74              | 0.39              | 0.23            | 12.70         | 12.94       |
| NO.                 | AVG. AREA, SQ. IN. |                   | LOAD, (LBS)     | GROSS, (PSI)  | NET, (PSI)  |
|                     | GROSS              | NET               |                 |               |             |
| 1                   | 88.21              | 51.89             | 132750          | 1505          | 2560        |
| 2                   | 88.15              | 51.28             | 119050          | 1351          | 2320        |
| 3                   | 88.41              | 52.23             | 139240          | 1575          | 2670        |
| AVERAGE             | 88.26              | 51.80             | 130346.67       | 1477          | 2520        |

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

Equivalent Thickness of the blocks tested indicates a fire rating of

1.5 hours based on ACI 216.1 tables.

Submitted by:

*Andy R. Wall*

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