

# 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: 2/12/2021  
Date Produced: Not Reported

12 Inch Splitface  
BLOCK TYPE: Medium Weight  
Gray

| BLOCK DIMENSIONS    |                    |                   |                 | AVERAGE THICKNESS (in)            |             |
|---------------------|--------------------|-------------------|-----------------|-----------------------------------|-------------|
| NO.                 | LENGTH (IN)        | WIDTH (IN)        | HEIGHT (IN)     |                                   |             |
| 1                   | 15.62              | 11.64             | 7.64            | WEB                               | 1.30        |
|                     | 15.58              | 11.67             | 7.61            | FACE                              | 1.77        |
| 2                   | 15.63              | 11.71             | 7.62            | WEB AREA<br>(in <sup>2</sup> /sf) | 36.04       |
|                     | 15.59              | 11.70             | 7.61            |                                   |             |
| 3                   | 15.61              | 11.76             | 7.60            | EQUIVALENT                        | 5.92        |
|                     | 15.58              | 11.65             | 7.58            |                                   |             |
| PHYSICAL PROPERTIES |                    |                   |                 |                                   |             |
| NO.                 | REC'D WEIGHT       | SAT WEIGHT        | IMMERS'D WEIGHT | DRY WEIGHT                        | DENSITY PCF |
| 1                   | 51.94              | 54.21             | 28.47           | 50.35                             | 122.08      |
| 2                   | 50.66              | 52.78             | 27.71           | 49.16                             | 122.36      |
| 3                   | 51.60              | 53.82             | 28.25           | 50.05                             | 122.13      |
| AVERAGE             | 51.40              | 53.60             | 28.14           | 49.85                             | 122.19      |
| NO.                 | MOISTURE CONTENT   | VOLUME, (CU. FT.) |                 | ABS. % Weight                     | ABS. PCF    |
|                     |                    | GROSS             | NET             |                                   |             |
| 1                   | 41.30              | 0.80              | 0.41            | 7.67                              | 9.36        |
| 2                   | 41.50              | 0.81              | 0.40            | 7.37                              | 9.02        |
| 3                   | 41.11              | 0.81              | 0.41            | 7.53                              | 9.20        |
| AVERAGE             | 41.30              | 0.81              | 0.41            | 7.52                              | 9.19        |
| NO.                 | AVG. AREA, SQ. IN. |                   | LOAD, (LBS)     | GROSS, (PSI)                      | NET, (PSI)  |
|                     | GROSS              | NET               |                 |                                   |             |
| 1                   | 181.85             | 93.26             | 290240          | 1596                              | 3110        |
| 2                   | 183.00             | 91.07             | 303690          | 1660                              | 3330        |
| 3                   | 183.56             | 93.21             | 329290          | 1794                              | 3530        |
| AVERAGE             | 182.80             | 92.51             | 307740.00       | 1683                              | 3320        |

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

Equivalent Thickness of the blocks tested indicates a fire rating of

3.0 hours based on ACI 216.1 tables.

Submitted by:

*Andy R. Wall*

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