

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

BLOCK TYPE: 8 Inch Splitface
Medium Weight
Gray

| BLOCK DIMENSIONS | | | | AVERAGE THICKNESS (in) | |
|---------------------|--------------------|-------------------|-----------------|-----------------------------------|-------------|
| NO. | LENGTH (IN) | WIDTH (IN) | HEIGHT (IN) | | |
| 1 | 15.59 | 7.68 | 7.61 | WEB | 1.29 |
| | 15.59 | 7.70 | 7.61 | FACE | 1.56 |
| 2 | 15.58 | 7.65 | 7.63 | WEB AREA (in ² /sf) | 39.07 |
| | 15.59 | 7.68 | 7.64 | | |
| 3 | 15.60 | 7.63 | 7.59 | EQUIVALENT | 4.31 |
| | 15.59 | 7.65 | 7.62 | | |
| PHYSICAL PROPERTIES | | | | | |
| NO. | REC'D WEIGHT | SAT WEIGHT | IMMERS'D WEIGHT | DRY WEIGHT | DENSITY PCF |
| 1 | 37.31 | 38.87 | 20.17 | 36.04 | 120.22 |
| 2 | 36.49 | 37.84 | 19.65 | 35.18 | 120.70 |
| 3 | 37.08 | 38.61 | 20.15 | 35.81 | 121.09 |
| AVERAGE | 36.96 | 38.44 | 19.99 | 35.68 | 120.67 |
| NO. | MOISTURE CONTENT | VOLUME, (CU. FT.) | | ABS. % Weight | ABS. PCF |
| | | GROSS | NET | | |
| 1 | 45.02 | 0.53 | 0.30 | 7.86 | 9.45 |
| 2 | 49.51 | 0.53 | 0.29 | 7.57 | 9.13 |
| 3 | 45.42 | 0.52 | 0.30 | 7.81 | 9.45 |
| AVERAGE | 46.65 | 0.53 | 0.30 | 7.75 | 9.35 |
| NO. | AVG. AREA, SQ. IN. | | LOAD, (LBS) | GROSS, (PSI) | NET, (PSI) |
| | GROSS | NET | | | |
| 1 | 119.72 | 68.07 | 255370 | 2133 | 3750 |
| 2 | 119.16 | 66.05 | 202230 | 1697 | 3060 |
| 3 | 118.93 | 67.35 | 279100 | 2347 | 4140 |
| AVERAGE | 119.27 | 67.16 | 245566.67 | 2059 | 3650 |

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

Equivalent Thickness of the blocks tested indicates a fire rating of

2.0 hours based on ACI 216.1 tables.

Submitted by:

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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