

CAROLINA STALITE COMPANY

MANUFACTURERS OF LIGHTWEIGHT AGGREGATE "STALITE"

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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 12 Inch Ground/Smooth/Polished
Date Tested: 11/30/2020 BLOCK TYPE: Normal Weight
Date Produced: Not Reported Gray

| BLOCK DIMENSIONS | | | | AVERAGE THICKNESS (in) | |
|---------------------|--------------------|-------------------|-----------------|-----------------------------------|-------------|
| NO. | LENGTH (IN) | WIDTH (IN) | HEIGHT (IN) | | |
| 1 | 15.66 | 11.67 | 7.64 | WEB | 1.45 |
| | 15.64 | 11.69 | 7.68 | FACE | 1.54 |
| 2 | 15.66 | 11.65 | 7.68 | WEB AREA (in ² /sf) | 39.87 |
| | 15.64 | 11.66 | 7.65 | | |
| 3 | 15.65 | 11.65 | 7.63 | EQUIVALENT | 5.58 |
| | 15.65 | 11.66 | 7.68 | | |
| PHYSICAL PROPERTIES | | | | | |
| NO. | REC'D WEIGHT | SAT WEIGHT | IMMERS'D WEIGHT | DRY WEIGHT | DENSITY PCF |
| 1 | 54.15 | 56.30 | 32.11 | 53.44 | 137.84 |
| 2 | 54.22 | 56.40 | 32.31 | 53.47 | 138.47 |
| 3 | 54.05 | 56.25 | 32.07 | 53.30 | 137.54 |
| AVERAGE | 54.14 | 56.32 | 32.16 | 53.40 | 137.95 |
| NO. | MOISTURE CONTENT | VOLUME, (CU. FT.) | | ABS. % Weight | ABS. PCF |
| | | GROSS | NET | | |
| 1 | 25.00 | 0.81 | 0.39 | 5.36 | 7.39 |
| 2 | 25.60 | 0.81 | 0.39 | 5.50 | 7.61 |
| 3 | 25.29 | 0.81 | 0.39 | 5.53 | 7.61 |
| AVERAGE | 25.29 | 0.81 | 0.39 | 5.46 | 7.54 |
| NO. | AVG. AREA, SQ. IN. | | LOAD, (LBS) | GROSS, (PSI) | NET, (PSI) |
| | GROSS | NET | | | |
| 1 | 182.71 | 87.65 | 281980 | 1543 | 3220 |
| 2 | 182.33 | 86.85 | 263860 | 1447 | 3040 |
| 3 | 182.37 | 87.73 | 285480 | 1565 | 3250 |
| AVERAGE | 182.47 | 87.41 | 277106.67 | 1519 | 3170 |

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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