

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 - Concord
Date Tested: 2/17/2021
Date Produced: Not Reported

12 Inch ProBlock
BLOCK TYPE: Lightweight
Gray

| BLOCK DIMENSIONS | | | | AVERAGE THICKNESS (in) | |
|---------------------|--------------------|-------------------|-----------------|-----------------------------------|-------------|
| NO. | LENGTH (IN) | WIDTH (IN) | HEIGHT (IN) | | |
| 1 | 15.60 | 11.61 | 7.63 | WEB | 1.37 |
| | 15.60 | 11.65 | 7.63 | FACE | 1.48 |
| 2 | 15.61 | 11.65 | 7.58 | WEB AREA (in ² /sf) | 24.10 |
| | 15.59 | 11.63 | 7.64 | | |
| 3 | 15.62 | 11.68 | 7.60 | EQUIVALENT | 4.32 |
| | 15.61 | 11.63 | 7.65 | | |
| PHYSICAL PROPERTIES | | | | | |
| NO. | REC'D WEIGHT | SAT WEIGHT | IMMERS'D WEIGHT | DRY WEIGHT | DENSITY PCF |
| 1 | 31.83 | 33.34 | 14.65 | 29.11 | 97.19 |
| 2 | 31.28 | 33.02 | 14.74 | 28.72 | 98.07 |
| 3 | 31.74 | 33.23 | 14.63 | 28.76 | 96.47 |
| AVERAGE | 31.62 | 33.20 | 14.67 | 28.86 | 97.24 |
| NO. | MOISTURE CONTENT | VOLUME, (CU. FT.) | | ABS. % Weight | ABS. PCF |
| | | GROSS | NET | | |
| 1 | 64.22 | 0.80 | 0.30 | 14.52 | 14.11 |
| 2 | 59.62 | 0.80 | 0.29 | 14.95 | 14.66 |
| 3 | 66.71 | 0.80 | 0.30 | 15.57 | 15.02 |
| AVERAGE | 63.52 | 0.80 | 0.30 | 15.01 | 14.60 |
| NO. | AVG. AREA, SQ. IN. | | LOAD, (LBS) | GROSS, (PSI) | NET, (PSI) |
| | GROSS | NET | | | |
| 1 | 181.15 | 67.82 | 140220 | 774 | 2070 |
| 2 | 181.81 | 66.76 | 156710 | 862 | 2350 |
| 3 | 182.43 | 67.79 | 169760 | 931 | 2500 |
| AVERAGE | 181.80 | 67.46 | 155563.33 | 856 | 2310 |

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

Equivalent Thickness of the blocks tested indicates a fire rating of

2.5 hours based on ACI 216.1 tables.

Submitted By:

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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