

# 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: 2/21/2020  
Date Produced: Not Reported

BLOCK TYPE: 8 Inch High R  
Normal Weight  
White

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	16.22	7.69	7.66	WEB	1.39
	16.21	7.74	7.68	FACE	1.40
2	16.21	7.72	7.68	WEB AREA (in <sup>2</sup> /sf)	24.79
	16.22	7.69	7.66		
3	16.20	7.69	7.69	EQUIVALENT	3.43
	16.22	7.69	7.73		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	33.56	34.92	19.84	32.94	136.25
2	33.35	34.83	19.71	32.74	135.12
3	34.50	35.64	19.65	33.75	131.64
AVERAGE	33.80	35.13	19.73	33.14	134.34
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	31.21	0.55	0.24	6.01	8.19
2	29.17	0.56	0.24	6.36	8.60
3	39.56	0.55	0.26	5.62	7.40
AVERAGE	33.31	0.55	0.25	6.00	8.06
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	124.73	8.99	49180	5470	5470
2	125.16	9.16	53240	5810	5810
3	124.52	9.09	58680	6460	6460
AVERAGE	124.80	9.08	53700.00	5913	5910

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.

\*\*Coupons cut per ASTM C-140

GOLD HILL RESEARCH AND MATERIALS LABORATORY

P.O. BOX 186 GOLD HILL, NC 28071

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