

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

4 Inch Architectural
BLOCK TYPE: Normal Weight
White

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.62	3.55	7.68	WEB	1.09
	15.61	3.55	7.67	FACE	0.99
2	15.65	3.54	7.67	WEB AREA (in ² /sf)	29.51
	15.66	3.58	7.63		
3	15.65	3.55	7.69	EQUIVALENT	2.54
	15.66	3.55	7.71		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	24.43	25.00	14.00	23.62	133.99
2	24.22	24.86	13.89	23.40	133.13
3	24.58	25.21	14.17	23.79	134.46
AVERAGE	24.41	25.02	14.02	23.60	133.86
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	58.72	0.25	0.18	5.83	7.81
2	55.89	0.25	0.18	6.24	8.31
3	55.49	0.25	0.18	5.97	8.02
AVERAGE	56.70	0.25	0.18	6.01	8.05
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	55.51	39.69	76210	1373	1920
2	55.39	39.58	96430	1741	2440
3	55.51	39.77	126020	2270	3170
AVERAGE	55.47	39.68	99553.33	1795	2510

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

Equivalent Thickness of the blocks tested indicates a fire rating of

0.75 hours based on ACI 216.1 tables.

Submitted by:

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

P.O. BOX 186 GOLD HILL, NC 28071

PHONE: 704 279-2166 FAX: 704 279-6151