

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

8 inch 63% Solid

Date Tested: 3/11/2019

BLOCK TYPE: 100% Lightweight

Date Produced: 2/28/2019

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.63	7.65	7.64	WEB	1.58
	15.65	7.65	7.66	FACE	1.78
2	15.62	7.65	7.63	WEB AREA (in ² /sf)	45.16
	15.64	7.66	7.64		
3	15.63	7.84	7.60	EQUIVALENT	4.83
	15.64	7.65	7.62		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	33.61	35.49	14.57	31.04	92.59
2	33.41	35.36	14.51	30.87	92.41
3	32.89	34.79	14.18	30.26	91.63
AVERAGE	33.30	35.21	14.42	30.72	92.21
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	57.68	0.53	0.34	14.34	13.28
2	56.58	0.53	0.33	14.53	13.43
3	58.10	0.54	0.33	14.97	13.72
AVERAGE	57.45	0.53	0.33	14.61	13.48
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.49	75.79	204530	1712	2700
2	119.46	75.70	213640	1788	2820
3	122.49	75.04	215800	1762	2880
AVERAGE	120.48	75.51	211323.33	1754	2800

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

Equivalent Thickness of the blocks tested indicates a fire rating of

3 hours based on ACI 216.1 tables.

Submitted By:

Daniel Furr, E.I.
Quality Control Manager

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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