

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 - Willow Springs

8 Inch Commercial - Plant 1

Date Tested: 4/3/2021

BLOCK TYPE: Lightweight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.61	7.64	7.75	WEB	1.09
	15.60	7.66	7.70	FACE	1.31
2	15.63	7.66	7.69	WEB AREA (in ² /sf)	30.61
	15.59	7.65	7.74		
3	15.59	7.65	7.74	EQUIVALENT	3.87
	15.58	7.66	7.72		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	28.71	31.18	14.22	27.73	102.02
2	29.29	31.49	14.57	27.87	102.78
3	28.49	30.95	14.23	27.34	102.06
AVERAGE	28.83	31.21	14.34	27.65	102.29
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	28.56	0.54	0.27	12.45	12.70
2	39.27	0.53	0.27	13.01	13.37
3	31.67	0.53	0.27	13.19	13.46
AVERAGE	33.17	0.53	0.27	12.88	13.18
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.31	60.59	163410	1370	2700
2	119.73	60.94	129720	1083	2130
3	119.33	59.85	157480	1320	2630
AVERAGE	119.46	60.46	150203.33	1258	2490

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

Equivalent Thickness of the blocks tested indicates a fire rating of

2.0 hours based on ACI 216.1 tables.

Submitted by:

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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