

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

4 Inch Architectural Splitface

Date Tested: 11/8/2020

BLOCK TYPE: Normal Weight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	3.55	7.63	WEB	1.13
	15.58	3.64	7.64	FACE	1.48
2	15.59	3.56	7.62	WEB AREA (in ² /sf)	31.37
	15.59	3.56	7.64		
3	15.58	3.61	7.62	EQUIVALENT	3.15
	15.59	3.69	7.65		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	29.62	30.32	17.33	28.88	138.77
2	29.82	30.33	17.25	28.96	138.19
3	32.94	33.66	19.17	32.09	138.22
AVERAGE	30.79	31.43	17.92	29.98	138.39
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	51.53	0.24	0.21	4.97	6.90
2	62.90	0.24	0.21	4.71	6.51
3	54.22	0.25	0.23	4.87	6.74
AVERAGE	56.22	0.25	0.22	4.85	6.71
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	55.41	47.17	140090	2528	2970
2	55.45	47.53	125600	2265	2640
3	56.28	52.65	146550	2604	2780
AVERAGE	55.71	49.12	137413.33	2466	2800

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

Equivalent Thickness of the blocks tested indicates a fire rating of

1.0 hours based on ACI 216.1 tables.

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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