

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 Ground/Smooth/Polished

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	15.67	3.57	7.60	WEB	1.42
	15.68	3.57	7.61	FACE	1.01
2	15.70	3.57	7.66	WEB AREA (in ² /sf)	39.80
	15.69	3.54	7.66		
3	15.64	3.58	7.64	EQUIVALENT	2.58
	15.63	3.57	7.65		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	23.29	24.66	13.58	22.97	129.35
2	23.41	24.79	13.65	23.09	129.34
3	23.32	24.75	13.59	23.02	128.73
AVERAGE	23.34	24.73	13.61	23.03	129.14
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	19.05	0.25	0.18	7.36	9.52
2	18.51	0.25	0.18	7.34	9.50
3	17.46	0.25	0.18	7.51	9.67
AVERAGE	18.34	0.25	0.18	7.41	9.56
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	55.90	40.37	115410	2065	2860
2	56.02	40.30	99080	1769	2460
3	55.92	40.47	106760	1909	2640
AVERAGE	55.94	40.38	107083.33	1914	2650

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.

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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