

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

12 Inch
BLOCK TYPE: Lightweight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.64	11.65	7.60	WEB	1.34
	15.64	11.64	7.61	FACE	1.52
2	15.63	11.63	7.63	WEB AREA (in ² /sf)	39.66
	15.65	11.66	7.65		
3	15.66	11.64	7.60	EQUIVALENT	5.36
	15.64	11.63	7.62		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	40.56	43.51	20.49	38.89	105.39
2	40.22	43.03	20.17	38.43	104.92
3	39.73	42.57	19.34	37.99	102.06
AVERAGE	40.17	43.04	20.00	38.44	104.13
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	36.10	0.80	0.37	11.88	12.52
2	38.97	0.80	0.37	11.96	12.55
3	38.06	0.80	0.37	12.03	12.28
AVERAGE	37.71	0.80	0.37	11.96	12.45
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	182.16	83.95	185450	1018	2210
2	181.80	82.94	189540	1043	2290
3	182.28	84.62	157670	865	1860
AVERAGE	182.08	83.84	177553.33	975	2120

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

Equivalent Thickness of the blocks tested indicates a fire rating of

3.0 hours based on ACI 216.1 tables.

Submitted by:

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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