

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: 11/30/2020
Date Produced: Not Reported

BLOCK TYPE: 12 Inch Architectural Splitface
Normal weight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.66	11.67	7.64	WEB	1.41
	15.64	11.69	7.68	FACE	1.54
2	15.66	11.65	7.68	WEB AREA (in ² /sf)	25.91
	15.64	11.66	7.65		
3	15.65	11.65	7.63	EQUIVALENT	5.58
	15.65	11.66	7.68		

PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	54.15	56.30	32.11	53.44	137.84
2	54.22	56.40	32.31	53.47	138.47
3	54.05	56.25	32.07	53.30	137.54
AVERAGE	54.14	56.32	32.16	53.40	137.95
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	25.00	0.81	0.39	5.36	7.39
2	25.60	0.81	0.39	5.50	7.61
3	25.29	0.81	0.39	5.53	7.61
AVERAGE	25.29	0.81	0.39	5.46	7.54
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	182.71	87.65	281980	1543	3220
2	182.33	86.85	263860	1447	3040
3	182.37	87.73	285480	1565	3250
AVERAGE	182.47	87.41	277106.67	1519	3170

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:

Jody R. Wall, PE

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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