

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: 1/25/2024
Date Produced: Not Reported

BLOCK TYPE: 10 Inch Split Face
Medium Weight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.61	9.95	7.59	WEB	1.33
	15.59	9.89	7.60	FACE	1.37
2	15.59	9.82	7.57	WEB AREA (in ² /sf)	36.66
	15.57	9.85	7.59		
3	15.60	9.91	7.55	EQUIVALENT	4.80
	15.57	9.78	7.58		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	39.47	41.39	21.53	36.37	114.28
2	41.49	43.47	22.63	38.53	115.39
3	40.98	43.03	22.39	38.59	116.70
AVERAGE	40.65	42.63	22.19	37.83	115.45
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	61.74	0.68	0.32	13.80	15.76
2	59.85	0.67	0.33	12.81	14.78
3	53.92	0.68	0.33	11.51	13.43
AVERAGE	58.50	0.68	0.33	12.70	14.66
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	155.36	72.49	225260	1450	3110
2	153.02	76.23	183100	1197	2400
3	154.66	75.73	234350	1515	3090
AVERAGE	154.35	74.82	214236.67	1387	2870

The blocks tested met ASTM C-90 specifications for the tests performed
Equivalent Thickness of the blocks tested indicates a fire rating of
2.5 hours based on ACI 216.1 tables.

Submitted By:

Daniel Furr, PE

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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