

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: JCP - Lexington

4 Inch Architectural - Kitchen Blo

Date Tested: 10/16/2023

BLOCK TYPE: Normal Weight

Date Produced: Not reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.68	3.66	7.65	WEB	1.38
	15.61	3.66	7.64	FACE	1.05
2	15.66	3.62	7.62	WEB AREA (in ² /sf)	37.67
	15.67	3.64	7.63		
3	15.63	3.63	7.63	EQUIVALENT	2.64
	15.67	3.67	7.60		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	25.80	26.84	15.31	25.39	137.41
2	24.73	25.90	14.62	24.39	134.92
3	24.86	26.02	14.69	24.49	134.87
AVERAGE	25.13	26.26	14.88	24.76	135.73
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	28.57	0.25	0.18	5.74	7.88
2	22.72	0.25	0.18	6.21	8.38
3	24.21	0.25	0.18	6.24	8.41
AVERAGE	25.17	0.25	0.18	6.06	8.22
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	57.32	41.73	132320	2308	3170
2	56.70	40.97	148180	2614	3620
3	56.69	41.13	180690	3187	4390
AVERAGE	56.90	41.28	153730.00	2703	3730

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 hour based on ACI 216.1 tables.

Submitted By:

Daniel Furr, PE

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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