

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

6 Inch Ground/Smooth/Polished

Date Tested: 9/21/2023

BLOCK TYPE: Medium weight

Date Produced: Not reported

White

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.62	5.60	7.70	WEB	1.43
	15.61	5.59	7.63	FACE	1.09
2	15.62	5.57	7.65	WEB AREA (in ² /sf)	39.15
	15.62	5.58	7.66		
3	15.61	5.67	7.63	EQUIVALENT	3.29
	15.61	5.65	7.64		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	29.46	30.80	16.61	28.40	124.85
2	29.33	30.81	16.57	28.38	124.35
3	29.57	30.83	16.61	28.42	124.65
AVERAGE	29.45	30.81	16.59	28.40	124.62
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	44.21	0.39	0.23	8.46	10.56
2	39.18	0.39	0.23	8.56	10.65
3	47.60	0.39	0.23	8.49	10.58
AVERAGE	43.66	0.39	0.23	8.50	10.60
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	87.47	51.04	131080	1499	2570
2	87.00	51.55	129410	1487	2510
3	88.51	51.64	133620	1510	2590
AVERAGE	87.66	51.41	131370.00	1499	2560

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

Equivalent Thickness of the blocks tested indicates a fire rating of

1.0 hour based on ACI 216.1 tables.

Submitted By:

Daniel Furr

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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