

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

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.61	5.55	7.63	WEB	1.43
	15.62	5.56	7.63	FACE	1.09
2	15.63	5.53	7.59	WEB AREA (in ² /sf)	39.30
	15.62	5.55	7.61		
3	15.59	5.56	7.63	EQUIVALENT	3.25
	15.61	5.55	7.59		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	27.75	29.34	15.45	27.39	123.07
2	27.87	29.40	15.44	27.52	123.03
3	28.09	29.60	15.65	27.69	123.84
AVERAGE	27.90	29.45	15.51	27.54	123.31
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	18.05	0.38	0.22	7.12	8.76
2	18.59	0.38	0.22	6.80	8.37
3	20.86	0.38	0.22	6.89	8.53
AVERAGE	19.17	0.38	0.22	6.94	8.55
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	86.65	50.44	127490	1471	2530
2	86.50	50.93	128060	1481	2510
3	86.71	50.66	115110	1328	2270
AVERAGE	86.62	50.68	123553.33	1426	2440

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

P.O. BOX 186 GOLD HILL, NC 28071

PHONE: 704 279-2166 FAX: 704 279-6151