

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: 11/8/2020
Date Produced: Not Reported

BLOCK TYPE: 4 Inch Architectural Splitface
Normal Weight
White

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.59	3.74	7.63	WEB	1.11
	15.57	3.66	7.61	FACE	1.51
2	15.59	3.58	7.61	WEB AREA (in ² /sf)	30.65
	15.60	3.57	7.58		
3	15.60	3.69	7.63	EQUIVALENT	3.27
	15.62	3.70	7.60		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	32.47	33.72	19.21	31.84	137.00
2	29.17	30.45	17.27	28.70	135.84
3	32.57	33.68	19.22	31.83	137.31
AVERAGE	31.40	32.62	18.57	30.79	136.72
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	33.51	0.26	0.23	5.88	8.06
2	26.77	0.25	0.21	6.12	8.31
3	39.85	0.25	0.23	5.82	7.99
AVERAGE	33.38	0.25	0.23	5.94	8.12
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	58.37	52.68	170840	2927	3240
2	55.77	47.97	134330	2409	2800
3	57.49	52.52	169800	2954	3230
AVERAGE	57.21	51.05	158323.33	2763	3090

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 hours based on ACI 216.1 tables.

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

P.O. BOX 186 GOLD HILL, NC 28071

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