

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

8 Inch Ground/Smooth/Polished

Date Tested: 11/8/2020

BLOCK TYPE: Normal Weight

Date Produced: Not Reported

White

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.66	7.54	7.63	WEB	1.24
	15.65	7.52	7.62	FACE	1.21
2	15.67	7.54	7.60	WEB AREA (in ² /sf)	34.10
	15.67	7.51	7.61		
3	15.66	7.53	7.63	EQUIVALENT	3.73
	15.66	7.51	7.63		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	35.69	36.91	20.86	34.94	135.79
2	35.34	36.71	20.66	34.67	134.77
3	35.74	37.01	20.91	34.97	135.49
AVERAGE	35.59	36.88	20.81	34.86	135.35
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	38.26	0.52	0.26	5.66	7.68
2	32.71	0.52	0.26	5.89	7.94
3	37.83	0.52	0.26	5.85	7.93
AVERAGE	36.27	0.52	0.26	5.80	7.85
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	117.96	58.30	185550	1573	3180
2	118.08	58.47	178280	1510	3050
3	117.96	58.46	185560	1573	3170
AVERAGE	118.00	58.41	183130.00	1552	3130

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

Equivalent Thickness of the blocks tested indicates a fire rating of

1.5 hours based on ACI 216.1 tables.

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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