

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 12 Inch Arch Ground/Smooth/Polished
Date Tested: 2/19/2021 BLOCK TYPE: Normal Weight
Date Produced: Not Reported White

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.63	11.64	7.65	WEB	1.34
	15.62	11.64	7.65	FACE	1.51
2	15.63	11.64	7.66	WEB AREA (in ² /sf)	26.46
	15.62	11.64	7.65		
3	15.63	11.64	7.65	EQUIVALENT	5.40
	15.62	11.64	7.65		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	54.27	54.94	31.60	52.65	140.78
2	54.37	55.10	31.69	52.99	141.22
3	53.99	54.62	31.39	52.46	140.90
AVERAGE	54.21	54.89	31.56	52.70	140.97
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	70.41	0.81	0.37	4.35	6.12
2	65.15	0.81	0.38	3.99	5.64
3	70.76	0.80	0.37	4.13	5.82
AVERAGE	68.77	0.81	0.37	4.16	5.86
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	181.81	84.47	302500	1664	3580
2	181.93	84.69	295670	1625	3490
3	181.84	84.10	280960	1545	3340
AVERAGE	181.86	84.42	293043.33	1611	3470

The blocks tested met ASTM C-90 specifications for the tests performed
Equivalent Thickness of the blocks tested indicates a fire rating of
3 hours based on ACI 216.1 tables.

Submitted By:

Jody R. Wall, PE
General Manager

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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