

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

Date Tested: 12/26/2018

BLOCK TYPE: Normal Weight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.64	11.65	7.61	WEB	1.29
	15.67	11.66	7.61	FACE	1.54
2	15.66	11.65	7.61	WEB AREA (in ² /sf)	23.83
	15.65	11.64	7.62		
3	15.66	11.68	7.59	EQUIVALENT	5.34
	15.65	11.66	7.60		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	52.47	53.87	30.90	51.29	139.35
2	52.42	53.83	30.86	51.21	139.10
3	52.30	53.71	30.82	51.10	139.30
AVERAGE	52.40	53.80	30.86	51.20	139.25
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	45.93	0.80	0.37	5.03	7.02
2	46.11	0.80	0.37	5.12	7.12
3	46.28	0.80	0.37	5.11	7.12
AVERAGE	46.11	0.80	0.37	5.09	7.08
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	182.21	83.57	258410	1418	3090
2	182.35	83.64	296310	1625	3540
3	182.92	83.52	296100	1619	3550
AVERAGE	182.49	83.58	283606.67	1554	3390

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:

Daniel Furr, E.I.

Quality Control Manager

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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