

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 - Willow Spring

8 Inch Split Face

Date Tested: 5/30/2024

BLOCK TYPE: Medium Weight

Date Produced: 4/1/2024

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	7.72	7.63	WEB	1.03
	15.60	7.71	7.60	FACE	1.56
2	15.60	7.68	7.61	WEB AREA (in ² /sf)	28.29
	15.60	7.74	7.61		
3	15.60	7.63	7.62	EQUIVALENT	4.28
	15.59	7.70	7.60		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	33.83	35.80	17.64	33.02	113.42
2	34.76	36.88	18.17	33.87	113.01
3	34.00	35.93	17.73	33.08	113.42
AVERAGE	34.20	36.20	17.85	33.32	113.28
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	29.15	0.53	0.29	8.44	9.57
2	29.61	0.53	0.30	8.88	10.03
3	32.44	0.52	0.29	8.61	9.77
AVERAGE	30.40	0.53	0.29	8.64	9.79
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	120.48	65.96	202820	1683	3080
2	119.78	68.06	203330	1698	2990
3	118.99	66.18	201410	1693	3040
AVERAGE	119.75	66.73	202520.00	1691	3040

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

Equivalent Thickness of the blocks tested indicates a fire rating of

2.0 hours based on ACI 216.1 tables.

Submitted By:

Daniel Furr, PE

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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