

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 Springs

8 Inch ProBlock

Date Tested: 9/4/2020

BLOCK TYPE: Lightweight

Date Produced: Not reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	7.64	7.66	WEB	1.31
	15.59	7.60	7.65	FACE	1.44
2	15.58	7.63	7.65	WEB AREA (in ² /sf)	24.27
	15.58	7.61	7.66		
3	15.58	7.64	7.65	EQUIVALENT	3.73
	15.58	7.61	7.66		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	25.47	28.30	12.25	24.22	94.19
2	25.33	28.17	12.14	24.22	94.26
3	25.31	28.23	12.16	24.18	93.93
AVERAGE	25.37	28.23	12.19	24.21	94.13
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	30.60	0.53	0.26	16.84	15.86
2	28.10	0.53	0.26	16.31	15.37
3	27.73	0.53	0.26	16.73	15.71
AVERAGE	28.81	0.53	0.26	16.62	15.65
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.11	58.03	185700	1559	3200
2	118.84	58.05	168770	1420	2910
3	119.02	58.14	156090	1312	2680
AVERAGE	118.99	58.07	170186.67	1430	2930

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

Equivalent Thickness of the blocks tested indicates a fire rating of

2 hours based on ACI 216.1 tables.

Submitted By:

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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