

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 4 Inch Commercial
Date Tested: 12/13/2020 BLOCK TYPE: Lightweight
Date Produced: Not Reported Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.58	3.63	7.59	WEB	1.09
	15.57	3.64	7.61	FACE	1.06
2	15.58	3.63	7.61	WEB AREA (in ² /sf)	30.45
	15.59	3.63	7.62		
3	15.61	3.66	7.60	EQUIVALENT	2.54
	15.61	3.64	7.60		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	18.74	19.85	9.06	17.64	102.01
2	18.93	20.00	9.14	17.81	102.35
3	18.87	19.99	9.06	17.73	101.21
AVERAGE	18.84	19.95	9.09	17.73	101.86
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	49.95	0.25	0.17	12.51	12.76
2	51.05	0.25	0.17	12.32	12.61
3	50.18	0.25	0.18	12.75	12.90
AVERAGE	50.39	0.25	0.17	12.52	12.76
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	56.49	39.37	105910	1875	2690
2	56.52	39.53	97340	1722	2460
3	57.07	39.81	126140	2210	3170
AVERAGE	56.69	39.57	109796.67	1936	2770

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

Equivalent Thickness of the blocks tested indicates a fire rating of

0.75 hours based on ACI 216.1 tables.

Submitted by:

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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