

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 Piedmont
Date Tested: 1/31/2020
Date Produced: Not Reported

BLOCK TYPE: 8 Inch Residential
Medium weight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.64	7.62	7.61	WEB	1.04
	15.60	7.58	7.62	FACE	1.28
2	15.63	7.61	7.61	WEB AREA (in ² /sf)	28.71
	15.60	7.59	7.63		
3	15.59	7.62	7.59	EQUIVALENT	3.68
	15.63	7.51	7.61		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	28.94	31.59	16.38	29.34	120.35
2	29.48	33.91	17.57	31.22	119.26
3	29.16	32.76	16.94	30.28	119.44
AVERAGE	29.19	32.75	16.96	30.28	119.68
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	17.75	0.52	0.24	7.68	9.25
2	64.93	0.52	0.26	8.60	10.26
3	45.08	0.52	0.25	8.19	9.78
AVERAGE	42.59	0.52	0.25	8.16	9.76
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.13	55.37	117440	986	2120
2	118.91	59.45	112110	943	1890
3	118.80	57.72	115750	974	2010
AVERAGE	118.95	57.51	115100.00	968	2010

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

Submitted By:

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Quality Control Manager

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