

# 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 12 Inch Residential  
Date Tested: 12/20/2018 BLOCK TYPE: Medium Weight  
Date Produced: Not Reported Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.58	11.64	7.63	WEB	1.27
	15.57	11.66	7.56	FACE	1.28
2	15.58	11.64	7.61	WEB AREA (in <sup>2</sup> /sf)	35.08
	15.57	11.65	7.56		
3	15.60	11.64	7.63	EQUIVALENT	4.85
	15.62	11.65	7.65		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	40.14	41.73	21.03	38.23	115.23
2	40.18	41.84	21.10	38.37	115.47
3	40.61	42.19	21.24	38.58	114.95
AVERAGE	40.31	41.92	21.12	38.40	115.22
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	54.48	0.80	0.33	9.16	10.56
2	52.16	0.80	0.33	9.03	10.43
3	56.22	0.80	0.34	9.34	10.74
AVERAGE	54.29	0.80	0.33	9.18	10.57
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	181.34	75.14	156470	863	2080
2	181.35	75.44	176480	973	2340
3	181.64	76.03	159120	876	2090
AVERAGE	181.44	75.54	164023.33	904	2170

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:

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Quality Control Manager