

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: 7/14/2023
Date Produced: Not Reported

4 Inch
BLOCK TYPE: Medium Weight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	3.64	7.50	WEB	1.08
	15.62	3.65	7.50	FACE	1.04
2	15.63	3.63	7.63	WEB AREA (in ² /sf)	30.26
	15.63	3.63	7.66		
3	15.60	3.67	7.56	EQUIVALENT	2.61
	15.62	3.64	7.54		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	19.84	21.80	10.86	19.50	111.22
2	21.05	22.89	11.54	20.66	113.61
3	20.45	22.33	11.20	20.11	112.66
AVERAGE	20.45	22.34	11.20	20.09	112.50
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	14.72	0.25	0.18	11.77	13.09
2	17.38	0.25	0.18	10.80	12.28
3	15.44	0.25	0.18	11.08	12.48
AVERAGE	15.85	0.25	0.18	11.22	12.62
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	56.71	40.38	74910	1321	1860
2	56.74	41.16	85700	1510	2080
3	57.22	40.78	85380	1492	2090
AVERAGE	56.89	40.77	81996.67	1441	2010

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:

Daniel Furr

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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