

# 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

Date Tested: 9/10/2024

BLOCK TYPE: Normal weight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.59	7.67	7.67	WEB	1.06
	15.61	7.66	7.68	FACE	1.32
2	15.61	7.67	7.68	WEB AREA (in <sup>2</sup> /sf)	29.75
	15.62	7.67	7.67		
3	15.62	7.65	7.68	EQUIVALENT	3.93
	15.61	7.66	7.66		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	34.69	36.55	19.68	34.00	125.73
2	34.86	36.64	19.61	34.12	125.01
3	35.03	36.79	19.66	34.36	125.17
AVERAGE	34.86	36.66	19.65	34.16	125.31
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	27.04	0.53	0.27	7.51	9.44
2	29.41	0.53	0.27	7.37	9.22
3	27.77	0.53	0.27	7.08	8.87
AVERAGE	28.07	0.53	0.27	7.32	9.17
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.59	60.89	185230	1549	3040
2	119.72	61.41	191850	1602	3120
3	119.55	61.77	200850	1680	3250
AVERAGE	119.62	61.36	192643.33	1610	3140

The blocks 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:

Daniel Furr, PE

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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