

# 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 Residential

Date Tested: 9/10/2024

BLOCK TYPE: Mediumweight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.63	7.69	7.57	WEB	1.08
	15.62	7.69	7.54	FACE	1.31
2	15.69	7.68	7.58	WEB AREA (in <sup>2</sup> /sf)	28.99
	15.68	7.68	7.61		
3	15.62	7.68	7.54	EQUIVALENT	3.70
	15.62	7.68	7.55		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	28.24	30.34	14.81	27.43	110.19
2	29.85	32.09	15.64	28.97	109.93
3	28.16	30.21	14.75	27.31	110.29
AVERAGE	28.75	30.88	15.07	27.90	110.14
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	27.90	0.53	0.25	10.61	11.69
2	28.16	0.53	0.26	10.76	11.83
3	29.32	0.52	0.25	10.59	11.68
AVERAGE	28.46	0.53	0.25	10.65	11.73
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	120.16	56.86	163980	1365	2880
2	120.40	60.11	161950	1345	2690
3	119.92	56.80	171760	1432	3020
AVERAGE	120.16	57.92	165896.67	1381	2860

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

Equivalent Thickness of the blocks tested indicates a fire rating of

1.75 hours based on ACI 216.1 tables.

Submitted By:

Daniel Furr, PE

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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