

# 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 12 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	15.62	11.67	7.59	WEB	1.31
	15.59	11.67	7.56	FACE	1.58
2	15.63	11.68	7.57	WEB AREA (in <sup>2</sup> /sf)	36.42
	15.60	11.66	7.57		
3	15.63	11.65	7.60	EQUIVALENT	5.56
	15.66	11.67	7.61		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	47.85	49.41	25.57	44.86	117.42
2	47.59	48.96	25.26	44.18	116.31
3	47.66	49.28	25.38	44.58	116.35
AVERAGE	47.70	49.22	25.40	44.54	116.69
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	65.64	0.80	0.38	10.15	11.91
2	71.35	0.80	0.38	10.82	12.59
3	65.45	0.80	0.38	10.56	12.28
AVERAGE	67.48	0.80	0.38	10.51	12.26
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	182.16	87.03	264980	1455	3040
2	182.57	86.74	265300	1453	3060
3	182.09	87.06	261660	1437	3010
AVERAGE	182.27	86.94	263980.00	1448	3040

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:

Daniel Furr, PE

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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