

# 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: 5/19/2020 BLOCK TYPE: Medium weight  
 Date Produced: Not Reported Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.61	11.69	7.70	WEB	1.28
	15.60	11.69	7.70	FACE	1.34
2	15.59	11.69	7.70	WEB AREA (in <sup>2</sup> /sf)	35.48
	15.58	11.72	7.70		
3	15.63	11.70	7.69	EQUIVALENT	4.92
	15.59	11.70	7.70		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	40.81	43.22	21.90	39.88	116.67
2	40.77	43.33	21.98	39.89	116.59
3	40.62	43.17	21.86	39.74	116.37
AVERAGE	40.73	43.24	21.91	39.84	116.54
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	27.73	0.81	0.34	8.39	9.79
2	25.58	0.81	0.34	8.62	10.05
3	25.74	0.81	0.34	8.64	10.06
AVERAGE	26.35	0.81	0.34	8.55	9.97
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	182.43	76.66	176870	970	2310
2	182.22	76.82	188710	1036	2460
3	182.76	76.77	194160	1062	2530
AVERAGE	182.47	76.75	186580.00	1023	2430

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

Equivalent Thickness of the blocks tested indicates a fire rating of

2 hours based on ACI 216.1 tables.

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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