

# 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 6 Inch Commercial  
Date Tested: 7/26/2020 BLOCK TYPE: Lightweight  
Date Produced: Not Reported Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.58	5.64	7.62	WEB	1.10
	15.58	5.61	7.60	FACE	1.04
2	15.58	5.61	7.62	WEB AREA (in <sup>2</sup> /sf)	30.49
	15.59	5.61	7.65		
3	15.59	5.65	7.68	EQUIVALENT	2.91
	15.59	5.64	7.63		

PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	21.29	22.86	10.47	20.57	103.59
2	21.55	23.11	10.58	20.79	103.56
3	21.83	23.32	10.75	21.05	104.48
AVERAGE	21.56	23.10	10.60	20.80	103.88
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	31.24	0.39	0.20	11.14	11.54
2	32.84	0.39	0.20	11.16	11.56
3	34.36	0.39	0.20	10.78	11.27
AVERAGE	32.82	0.39	0.20	11.03	11.45
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	87.89	45.05	92270	1050	2050
2	87.48	45.50	113930	1302	2500
3	88.02	45.37	124340	1413	2740
AVERAGE	87.80	45.31	110180.00	1255	2430

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

Equivalent Thickness of the blocks tested indicates a fire rating of

1 hour based on ACI 216.1 tables.

*Andy R. Wall*

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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