

# 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 - Lexington  
Date Tested: 2/7/2021  
Date Produced: Not Reported

BLOCK TYPE: 8 Inch Commercial  
Lightweight  
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.56	7.64	7.61	WEB	1.15
	15.58	7.64	7.61	FACE	1.28
2	15.59	7.64	7.61	WEB AREA (in <sup>2</sup> /sf)	33.12
	15.57	7.65	7.63		
3	15.57	7.65	7.61	EQUIVALENT	3.94
	15.57	7.65	7.60		

PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	29.74	31.73	14.79	28.48	104.94
2	29.31	31.16	14.43	27.93	104.19
3	29.89	31.81	14.86	28.53	105.06
AVERAGE	29.65	31.56	14.70	28.31	104.73
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	38.77	0.52	0.27	11.41	11.98
2	42.59	0.52	0.27	11.55	12.03
3	41.65	0.52	0.27	11.50	12.08
AVERAGE	41.00	0.52	0.27	11.49	12.03
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	118.92	61.63	156410	1315	2540
2	119.14	60.87	144010	1209	2370
3	119.09	61.67	133590	1122	2170
AVERAGE	119.05	61.39	144670.00	1215	2360

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

Equivalent Thickness of the blocks tested indicates a fire rating of 2.0 hours based on ACI 216.1 tables.

Submitted by:

*Andy R. Wall*

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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