

# 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: 11/30/2020  
Date Produced: Not Reported

12 Inch Architectural Splitface  
BLOCK TYPE: Normal Weight  
White

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	11.68	7.67	WEB	1.30
	15.58	11.66	7.63	FACE	1.78
2	15.61	11.72	7.61	WEB AREA (in <sup>2</sup> /sf)	36.12
	15.58	11.76	7.64		
3	15.61	11.67	7.68	EQUIVALENT	5.92
	15.58	11.73	7.64		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	58.37	60.56	34.91	57.51	139.87
2	58.30	60.25	34.71	57.43	140.35
3	57.80	59.78	34.41	56.97	140.12
AVERAGE	58.16	60.20	34.67	57.31	140.11
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	27.98	0.81	0.41	5.31	7.42
2	30.99	0.81	0.41	4.90	6.88
3	29.46	0.81	0.41	4.92	6.90
AVERAGE	29.48	0.81	0.41	5.04	7.07
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	182.15	92.67	220330	1210	2380
2	182.96	92.88	270030	1476	2910
3	182.04	91.53	281690	1547	3080
AVERAGE	182.38	92.36	257350.00	1411	2790

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

Equivalent Thickness of the blocks tested indicates a fire rating of

3.0 hours based on ACI 216.1 tables.

Submitted by:

*Andy R. Wall*

GOLD HILL RESEARCH AND MATERIALS LABORATORY

P.O. BOX 186 GOLD HILL, NC 28071

PHONE: 704 279-2166 FAX: 704 279-6151