

# 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: 2/12/2021  
Date Produced: Not Reported

BLOCK TYPE: 8 Inch Splitface  
Medium Weight  
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.59	7.68	7.61	WEB	1.29
	15.59	7.70	7.61	FACE	1.56
2	15.58	7.65	7.63	WEB AREA (in <sup>2</sup> /sf)	39.07
	15.59	7.68	7.64		
3	15.60	7.63	7.59	EQUIVALENT	4.31
	15.59	7.65	7.62		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	37.31	38.87	20.17	36.04	120.22
2	36.49	37.84	19.65	35.18	120.70
3	37.08	38.61	20.15	35.81	121.09
AVERAGE	36.96	38.44	19.99	35.68	120.67
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	45.02	0.53	0.30	7.86	9.45
2	49.51	0.53	0.29	7.57	9.13
3	45.42	0.52	0.30	7.81	9.45
AVERAGE	46.65	0.53	0.30	7.75	9.35
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.72	68.07	255370	2133	3750
2	119.16	66.05	202230	1697	3060
3	118.93	67.35	279100	2347	4140
AVERAGE	119.27	67.16	245566.67	2059	3650

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

P.O. BOX 186 GOLD HILL, NC 28071

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