

# 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 - Concord  
Date Tested: 2/17/2021  
Date Produced: 9/9/2019

BLOCK TYPE: 8 Inch Splitface  
Medium Weight  
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	7.67	7.59	WEB	1.29
	15.60	7.69	7.58	FACE	1.55
2	15.59	7.65	7.54	WEB AREA (in <sup>2</sup> /sf)	35.50
	15.60	7.59	7.60		
3	15.57	7.62	7.61	EQUIVALENT	4.27
	15.58	7.68	7.59		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	38.81	39.45	20.38	36.51	119.47
2	36.26	37.02	19.44	34.07	120.93
3	36.05	37.24	19.21	34.40	119.05
AVERAGE	37.04	37.90	19.67	34.99	119.82
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	78.34	0.53	0.31	8.04	9.61
2	74.34	0.52	0.28	8.65	10.46
3	58.04	0.52	0.29	8.24	9.82
AVERAGE	70.24	0.52	0.29	8.31	9.96
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.57	69.54	213530	1786	3070
2	119.29	64.55	220690	1850	3420
3	118.60	65.64	236360	1993	3600
AVERAGE	119.15	66.58	223526.67	1876	3360

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*

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