

# 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

8 Inch UL

Date Tested: 3/22/2021

BLOCK TYPE: Medium Weight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.62	7.66	7.64	WEB	1.07
	15.63	7.64	7.63	FACE	1.56
2	15.62	7.64	7.63	WEB AREA (in <sup>2</sup> /sf)	29.58
	15.63	7.63	7.65		
3	15.63	7.69	7.64	EQUIVALENT	4.25
	15.66	7.65	7.64		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	33.44	34.56	16.22	31.80	108.18
2	33.38	34.41	16.19	31.68	108.49
3	33.51	34.61	16.27	31.83	108.26
AVERAGE	33.45	34.53	16.23	31.77	108.31
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	59.48	0.53	0.29	8.69	9.40
2	62.34	0.53	0.29	8.62	9.35
3	60.43	0.53	0.29	8.73	9.45
AVERAGE	60.75	0.53	0.29	8.68	9.40
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.67	66.45	230880	1929	3470
2	119.32	66.14	244240	2047	3690
3	120.19	66.50	229660	1911	3450
AVERAGE	119.73	66.36	234926.67	1962	3540

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

Equivalent Thickness of the blocks tested indicates a fire rating of

2.5 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