

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 63% Solid

Date Tested: 2/17/2021

BLOCK TYPE: Medium Weight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.64	7.66	7.64	WEB	1.05
	15.64	7.67	7.58	FACE	1.80
2	15.67	7.67	7.68	WEB AREA (in ² /sf)	29.16
	15.63	7.65	7.68		
3	15.63	7.66	7.59	EQUIVALENT	4.70
	15.63	7.64	7.58		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	37.24	38.37	17.94	35.13	107.30
2	37.20	38.41	17.94	35.01	106.74
3	36.41	37.60	17.69	34.20	107.16
AVERAGE	36.95	38.13	17.86	34.78	107.07
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	65.12	0.53	0.33	9.22	9.90
2	64.55	0.53	0.33	9.72	10.37
3	64.88	0.53	0.32	9.94	10.65
AVERAGE	64.85	0.53	0.32	9.63	10.31
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.83	74.02	269920	2253	3650
2	120.23	73.79	248790	2069	3370
3	119.73	72.71	240570	2009	3310
AVERAGE	119.93	73.50	253093.33	2110	3440

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