

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

Date Tested: 5/19/2020

BLOCK TYPE: Normal weight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	7.63	7.57	WEB	1.06
	15.63	7.62	7.59	FACE	1.27
2	15.59	7.66	7.59	WEB AREA (in ² /sf)	29.45
	15.59	7.62	7.58		
3	15.60	7.64	7.57	EQUIVALENT	3.89
	15.61	7.64	7.60		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	35.48	37.04	20.41	34.38	128.93
2	35.98	37.39	20.78	34.91	131.14
3	35.63	37.21	20.62	34.18	128.56
AVERAGE	35.69	37.21	20.60	34.49	129.55
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	41.41	0.52	0.27	7.75	10.00
2	43.03	0.52	0.27	7.11	9.32
3	47.79	0.52	0.27	8.87	11.41
AVERAGE	44.08	0.52	0.27	7.91	10.24
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.00	60.83	146800	1234	2410
2	119.40	60.63	148960	1248	2460
3	119.22	60.68	187470	1573	3090
AVERAGE	119.21	60.72	161076.67	1351	2650

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

Equivalent Thickness of the blocks tested indicates a fire rating of

1.5 hours based on ACI 216.1 tables.

GOLD HILL RESEARCH AND MATERIALS LABORATORY

P.O. BOX 186 GOLD HILL, NC 28071

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