

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: 11/19/2020
Date Produced: Not Reported

BLOCK TYPE: 8 Inch Commercial
Lightweight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	7.63	7.60	WEB	1.03
	15.61	7.64	7.58	FACE	1.26
2	15.61	7.64	7.53	WEB AREA (in ² /sf)	27.89
	15.61	7.66	7.53		
3	15.62	7.66	7.52	EQUIVALENT	3.77
	15.63	7.66	7.51		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	27.70	30.37	14.13	26.57	102.07
2	26.80	29.52	13.62	25.48	99.96
3	27.16	29.46	13.48	25.72	100.44
AVERAGE	27.22	29.79	13.74	25.92	100.82
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	29.76	0.52	0.26	14.32	14.61
2	32.84	0.52	0.25	15.87	15.87
3	38.46	0.52	0.26	14.56	14.62
AVERAGE	33.69	0.52	0.26	14.92	15.03
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	118.95	59.19	130640	1098	2210
2	119.21	58.47	123980	1040	2120
3	119.67	58.84	156570	1308	2660
AVERAGE	119.28	58.83	137063.33	1149	2330

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

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