

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: 6 Inch Commercial
Lightweight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.67	5.66	7.63	WEB	1.17
	15.66	5.70	7.63	FACE	1.17
2	15.64	5.65	7.50	WEB AREA (in ² /sf)	32.10
	15.63	5.65	7.50		
3	15.62	5.55	7.52	EQUIVALENT	3.34
	15.63	5.65	7.50		

PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	25.98	27.34	12.69	24.23	103.17
2	24.79	26.24	12.18	23.26	103.28
3	24.93	26.15	12.15	23.09	102.87
AVERAGE	25.23	26.58	12.34	23.53	103.10
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	56.08	0.39	0.23	12.83	13.24
2	51.31	0.38	0.23	12.78	13.20
3	59.90	0.38	0.22	13.26	13.64
AVERAGE	55.76	0.38	0.23	12.96	13.36
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	88.72	53.20	111280	1254	2090
2	88.43	51.90	110130	1245	2120
3	86.75	51.58	118460	1366	2300
AVERAGE	87.97	52.23	113290.00	1288	2170

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.

Submitted by:

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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