

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: 12/3/2020
Date Produced: 9/16/2020

8 Inch 63% Solid
BLOCK TYPE: Lightweight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	7.64	7.58	WEB	1.09
	15.59	7.65	7.56	FACE	1.79
2	15.60	7.64	7.60	WEB AREA (in ² /sf)	28.65
	15.60	7.65	7.59		
3	15.60	7.63	7.59	EQUIVALENT	4.58
	15.59	7.65	7.59		

PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	34.72	36.67	17.16	32.02	102.44
2	35.32	37.56	17.65	33.46	104.85
3	34.56	36.49	17.15	32.55	105.06
AVERAGE	34.87	36.91	17.32	32.68	104.12
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	58.05	0.52	0.31	14.52	14.87
2	45.24	0.52	0.32	12.25	12.84
3	51.14	0.52	0.31	12.09	12.70
AVERAGE	51.48	0.52	0.31	12.95	13.47
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.22	71.23	172750	1449	2430
2	119.21	72.58	137810	1156	1900
3	119.07	70.51	141700	1190	2010
AVERAGE	119.17	71.44	150753.33	1265	2110

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

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