

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 - Lexington
Date Tested: 2/12/2021
Date Produced: Not Reported

12 Inch ProBlock
BLOCK TYPE: Lightweight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.55	11.66	7.61	WEB	1.30
	15.57	11.68	7.61	FACE	1.43
2	15.57	11.67	7.60	WEB AREA (in ² /sf)	23.95
	15.57	11.66	7.61		
3	15.58	11.65	7.62	EQUIVALENT	4.65
	15.57	11.66	7.62		

PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	30.04	35.77	16.09	32.57	103.27
2	34.72	36.42	16.25	33.03	102.17
3	34.65	37.11	17.30	33.05	104.10
AVERAGE	33.14	36.43	16.55	32.88	103.18
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	79.12	0.80	0.32	9.82	10.15
2	49.91	0.80	0.32	10.28	10.50
3	39.43	0.80	0.32	12.28	12.78
AVERAGE	56.15	0.80	0.32	10.79	11.14
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	181.29	71.58	220830	1218	3080
2	181.67	73.52	208720	1149	2840
3	181.44	71.98	218150	1202	3030
AVERAGE	181.46	72.36	215900.00	1190	2980

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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