

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 Piedmont
Date Tested: 10/24/2024
Date Produced: 8/19/2024

BLOCK TYPE: 8 Inch ProBlock
Lightweight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.57	7.63	7.63	WEB	1.32
	15.62	7.62	7.62	FACE	1.44
2	15.57	7.63	7.61	WEB AREA (in ² /sf)	36.47
	15.57	7.63	7.61		
3	15.58	7.63	7.60	EQUIVALENT	3.62
	15.58	7.63	7.62		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	26.00	28.52	13.05	25.28	101.93
2	26.08	28.60	13.13	25.31	102.11
3	26.06	28.63	13.06	25.30	101.39
AVERAGE	26.05	28.59	13.08	25.30	101.81
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	22.33	0.52	0.25	12.82	13.07
2	23.47	0.52	0.25	13.00	13.27
3	22.90	0.52	0.25	13.19	13.37
AVERAGE	22.90	0.52	0.25	13.00	13.24
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	118.82	56.21	168360	1417	3000
2	118.82	56.32	152430	1283	2710
3	118.88	56.70	166310	1399	2930
AVERAGE	118.84	56.41	162366.67	1366	2880

The blocks tested met ASTM C-90 specifications for the tests performed
Equivalent Thickness of the blocks tested indicates a fire rating of
2 hours based on ACI 216.1 tables.

Submitted By:

Daniel Furr, PE

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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