

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: 9/17/2024

8 Inch Commercial
BLOCK TYPE: Lightweight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.61	7.62	7.64	WEB	1.11
	15.63	7.60	7.63	FACE	1.29
2	15.66	7.65	7.64	WEB AREA (in ² /sf)	30.75
	15.66	7.65	7.65		
3	15.63	7.64	7.62	EQUIVALENT	3.89
	15.62	7.67	7.61		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	28.41	31.05	14.32	27.79	103.63
2	28.41	31.14	14.22	27.87	102.82
3	28.45	31.03	14.39	27.72	103.91
AVERAGE	28.42	31.07	14.31	27.79	103.45
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	18.95	0.53	0.27	11.74	12.16
2	16.59	0.53	0.27	11.73	12.06
3	22.27	0.53	0.27	11.96	12.42
AVERAGE	19.27	0.53	0.27	11.81	12.22
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	118.87	60.62	148840	1252	2460
2	119.84	61.32	148420	1239	2420
3	119.47	60.50	152800	1279	2530
AVERAGE	119.39	60.82	150020.00	1257	2470

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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