

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: 1/9/2019
Date Produced: Not Reported

8 Inch
BLOCK TYPE: Normal Weight
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	7.65	7.63	WEB	1.17
	15.62	7.65	7.59	FACE	1.30
2	15.62	7.64	7.60	WEB AREA (in ² /sf)	32.25
	15.62	7.64	7.60		
3	15.60	7.65	7.60	EQUIVALENT	3.96
	15.62	7.65	7.60		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	38.57	39.63	22.53	37.08	135.32
2	38.38	39.54	22.45	36.91	134.74
3	38.13	38.97	22.21	36.47	135.83
AVERAGE	38.36	39.38	22.40	36.82	135.30
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	58.51	0.53	0.27	6.88	9.31
2	55.85	0.52	0.27	7.13	9.61
3	66.47	0.53	0.27	6.84	9.30
AVERAGE	60.28	0.53	0.27	6.95	9.40
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.35	62.08	172510	1445	2780
2	119.29	62.28	186400	1563	2990
3	119.31	61.01	193900	1625	3180
AVERAGE	119.32	61.79	184270.00	1544	2980

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:

Daniel Furr, E.I.
Quality Control Manager