

# 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: 1/3/2019  
Date Produced: N/A

8 Inch Pro Block  
BLOCK TYPE: 100 % LW  
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.66	7.65	7.64	WEB	0.89
	15.65	7.66	7.62	FACE	1.30
2	15.63	7.66	7.64	WEB AREA (in <sup>2</sup> /sf)	24.55
	15.65	7.67	7.60		
3	15.64	7.65	7.61	EQUIVALENT	3.61
	15.64	7.66	7.62		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	23.27	26.90	11.16	22.86	90.63
2	23.08	26.56	10.98	22.68	90.84
3	23.34	25.96	10.65	22.48	91.62
AVERAGE	23.23	26.47	10.93	22.67	91.03
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	10.05	0.53	0.25	17.67	16.02
2	10.36	0.53	0.25	17.11	15.54
3	24.60	0.53	0.25	15.48	14.18
AVERAGE	15.00	0.53	0.25	16.75	15.25
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.83	57.06	134420	1122	2360
2	119.67	56.51	127530	1066	2260
3	119.70	55.70	134870	1127	2420
AVERAGE	119.73	56.42	132273.33	1105	2350

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, E.I.  
Quality Control Manager