

# 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 - Willow Springs

12 Inch

Date Tested: 5/19/2020

BLOCK TYPE: Normal weight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.58	11.66	7.63	WEB	1.29
	15.59	11.62	7.66	FACE	1.55
2	15.58	11.64	7.65	WEB AREA (in <sup>2</sup> /sf)	35.92
	15.58	11.63	7.68		
3	15.60	11.62	7.64	EQUIVALENT	5.52
	15.60	11.63	7.66		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	51.28	53.27	29.60	50.13	132.13
2	51.34	53.38	29.62	50.25	131.99
3	51.22	53.26	29.53	50.05	131.61
AVERAGE	51.28	53.30	29.58	50.14	131.91
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	36.58	0.80	0.38	6.27	8.29
2	34.85	0.80	0.38	6.22	8.22
3	36.39	0.80	0.38	6.40	8.42
AVERAGE	35.94	0.80	0.38	6.30	8.31
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	181.63	85.94	318150	1752	3700
2	181.43	85.98	330150	1820	3840
3	181.28	85.98	301180	1661	3500
AVERAGE	181.45	85.97	316493.33	1744	3680

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.

GOLD HILL RESEARCH AND MATERIALS LABORATORY

P.O. BOX 186 GOLD HILL, NC 28071

PHONE: 704 279-2166 FAX: 704 279-6151