

# 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 - Concord 12 Inch Commercial  
Date Tested: 11/19/2020 BLOCK TYPE: Lightweight  
Date Produced: Not Reported Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	11.64	7.53	WEB	1.33
	15.58	11.65	7.55	FACE	1.60
2	15.61	11.66	7.52	WEB AREA (in <sup>2</sup> /sf)	36.71
	15.60	11.68	7.53		
3	15.60	11.67	7.52	EQUIVALENT	5.61
	15.62	11.69	7.57		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	43.09	46.10	21.75	40.87	104.75
2	41.34	44.38	20.88	39.62	105.20
3	41.20	44.29	20.77	39.54	104.93
AVERAGE	41.88	44.92	21.13	40.01	104.96
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	42.48	0.79	0.39	12.79	13.39
2	36.07	0.79	0.38	12.01	12.63
3	34.93	0.79	0.38	12.00	12.59
AVERAGE	37.83	0.79	0.38	12.27	12.87
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	181.66	89.60	185790	1023	2070
2	182.03	86.55	184210	1012	2130
3	182.01	86.62	181310	996	2090
AVERAGE	181.90	87.59	183770.00	1010	2100

The blocks tested met ASTM C-90 specifications for the tests performed

Equivalent Thickness of the blocks tested indicates a fire rating of

3.0 hours based on ACI 216.1 tables.

Submitted by:

*Andy R. Wall*

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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