

# 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 ProBlock Splitface

Date Tested: 2/17/2021

BLOCK TYPE: Lightweight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.63	11.57	7.61	WEB	1.11
	15.65	11.66	7.59	FACE	1.61
2	15.61	11.67	7.61	WEB AREA (in <sup>2</sup> /sf)	20.55
	15.63	11.67	7.62		
3	15.60	11.68	7.61	EQUIVALENT	4.27
	15.62	11.70	7.64		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	29.61	31.62	13.76	29.07	101.58
2	30.50	32.68	14.14	29.97	100.86
3	30.37	32.74	14.14	29.64	99.45
AVERAGE	30.16	32.35	14.01	29.56	100.63
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	21.18	0.80	0.29	8.77	8.91
2	19.63	0.80	0.30	9.04	9.12
3	23.45	0.80	0.30	10.44	10.39
AVERAGE	21.42	0.80	0.29	9.42	9.47
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	180.77	64.99	163630	905	2520
2	182.09	67.48	174970	961	2590
3	182.29	67.70	128970	707	1900
AVERAGE	181.72	66.73	155856.67	858	2340

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

Equivalent Thickness of the blocks tested indicates a fire rating of

2.0 hours based on ACI 216.1 tables.

Submitted By:

*Andy R. Wall*

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