

# 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

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	15.58	11.65	7.60	WEB	1.29
	15.58	11.62	7.60	FACE	1.40
2	15.58	11.67	7.59	WEB AREA (in <sup>2</sup> /sf)	23.83
	15.58	11.63	7.57		
3	15.59	11.61	7.57	EQUIVALENT	4.16
	15.58	11.66	7.58		

PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	29.80	31.78	14.03	28.38	99.78
2	29.24	31.49	13.83	28.09	99.24
3	29.48	31.84	13.97	28.19	98.43
AVERAGE	29.51	31.70	13.94	28.22	99.15
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	41.84	0.80	0.28	11.96	11.93
2	33.92	0.80	0.28	12.11	12.02
3	35.36	0.79	0.29	12.94	12.74
AVERAGE	37.04	0.80	0.28	12.34	12.23
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	181.51	64.66	150890	831	2330
2	181.78	64.46	152600	839	2370
3	180.91	65.41	171240	947	2620
AVERAGE	181.40	64.84	158243.33	872	2440

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*

GOLD HILL RESEARCH AND MATERIALS LABORATORY

P.O. BOX 186 GOLD HILL, NC 28071

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