

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 Splitface

Date Tested: 2/17/2021

BLOCK TYPE: Medium Weight

Date Produced: Not Reported

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.59	11.79	7.64	WEB	1.31
	15.61	11.65	7.66	FACE	1.99
2	15.59	11.68	7.62	WEB AREA (in ² /sf)	36.30
	15.60	11.70	7.62		
3	15.59	11.69	7.65	EQUIVALENT	6.05
	15.59	11.63	7.63		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	49.70	52.54	26.88	48.59	118.17
2	50.44	53.72	27.42	49.38	117.18
3	50.14	53.38	27.26	49.14	117.37
AVERAGE	50.09	53.21	27.19	49.04	117.57
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	28.08	0.81	0.41	8.12	9.60
2	24.33	0.80	0.42	8.79	10.30
3	23.55	0.81	0.42	8.64	10.14
AVERAGE	25.32	0.81	0.42	8.52	10.01
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	183.85	93.04	204700	1113	2200
2	182.06	95.53	259430	1425	2720
3	182.32	94.52	265920	1459	2810
AVERAGE	182.74	94.36	243350.00	1332	2580

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

P.O. BOX 186 GOLD HILL, NC 28071

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