

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 Commercial
 Date Tested: 5/19/2020 BLOCK TYPE: Lightweight
 Date Produced: 4/15/2020 Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	11.63	7.61	WEB	1.29
	15.62	11.63	7.62	FACE	1.55
2	15.62	11.66	7.66	WEB AREA (in ² /sf)	35.87
	15.61	11.63	7.69		
3	15.61	11.64	7.65	EQUIVALENT	5.38
	15.62	11.64	7.66		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	39.31	42.18	19.26	37.97	103.39
2	39.59	43.07	19.72	38.25	102.20
3	39.53	42.88	19.69	38.21	102.86
AVERAGE	39.48	42.71	19.56	38.14	102.82
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	31.76	0.80	0.37	11.08	11.45
2	27.83	0.81	0.37	12.61	12.88
3	28.30	0.80	0.37	12.21	12.55
AVERAGE	29.30	0.80	0.37	11.96	12.30
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	181.44	83.42	199010	1097	2390
2	182.04	84.44	207250	1138	2450
3	181.58	83.96	191220	1053	2280
AVERAGE	181.69	83.94	199160.00	1096	2370

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

Equivalent Thickness of the blocks tested indicates a fire rating of

3 hours based on ACI 216.1 tables.

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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