

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 - Lexington
Date Tested: 11/8/2020
Date Produced: Not Reported

8 Inch Architectural Splitface
BLOCK TYPE: Normal Weight
White

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.58	7.67	7.67	WEB	1.21
	15.60	7.57	7.67	FACE	1.52
2	15.58	7.59	7.58	WEB AREA (in ² /sf)	33.79
	15.59	7.57	7.59		
3	15.59	7.75	7.60	EQUIVALENT	4.39
	15.60	7.66	7.60		

PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	41.54	42.92	24.42	40.73	137.38
2	41.33	42.85	24.32	40.65	136.85
3	43.69	45.09	25.66	42.85	137.61
AVERAGE	42.19	43.62	24.80	41.41	137.28
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	37.05	0.53	0.30	5.37	7.37
2	31.13	0.52	0.30	5.42	7.42
3	37.43	0.53	0.31	5.24	7.21
AVERAGE	35.20	0.53	0.30	5.34	7.33
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	119.46	66.80	200780	1681	3010
2	118.18	67.76	178360	1509	2630
3	120.78	70.77	214230	1774	3030
AVERAGE	119.47	68.44	197790.00	1655	2890

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

Equivalent Thickness of the blocks tested indicates a fire rating of

1.5 hours based on ACI 216.1 tables.

Andy R. Wall

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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