

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

10 Inch

Date Tested: 11/23/2020

BLOCK TYPE: Lightweight

Date Produced: 7/1/2020

Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.65	9.65	7.62	WEB	1.66
	15.64	9.66	7.52	FACE	1.58
2	15.65	9.67	7.59	WEB AREA (in ² /sf)	45.78
	15.59	9.65	7.66		
3	15.62	9.67	7.66	EQUIVALENT	5.43
	15.63	9.68	7.65		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	39.64	42.25	19.43	37.12	101.52
2	40.50	43.33	19.81	38.27	101.54
3	40.69	43.57	19.83	38.11	100.17
AVERAGE	40.28	43.05	19.69	37.84	101.08
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	49.04	0.67	0.37	13.81	14.02
2	44.15	0.66	0.38	13.22	13.43
3	47.14	0.67	0.38	14.33	14.35
AVERAGE	46.78	0.67	0.37	13.79	13.93
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	151.03	82.97	169980	1126	2050
2	151.33	85.82	182310	1205	2120
3	151.03	85.87	168990	1119	1970
AVERAGE	151.13	84.88	173760.00	1150	2050

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

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