

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 - Concord
Date Tested: 12/3/2020
Date Produced: 11/3/2020

12 Inch ProBlock
BLOCK TYPE: 100% Lightweight Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	11.61	7.63	WEB	1.30
	15.59	11.65	7.63	FACE	1.42
2	15.59	11.62	7.60	WEB AREA (in ² /sf)	24.05
	15.58	11.66	7.62		
3	15.59	11.61	7.51	EQUIVALENT	4.45
	15.56	11.64	7.52		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	30.45	32.85	13.83	28.89	94.73
2	30.32	32.89	13.88	28.74	94.37
3	30.68	32.85	13.89	29.11	95.80
AVERAGE	30.49	32.87	13.87	28.91	94.97
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	39.52	0.80	0.30	13.74	13.01
2	38.13	0.80	0.30	14.42	13.61
3	42.01	0.79	0.30	12.85	12.31
AVERAGE	39.88	0.79	0.30	13.67	12.98
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	181.06	69.05	169760	938	2460
2	181.23	69.23	185860	1026	2680
3	180.99	69.92	179390	991	2570
AVERAGE	181.09	69.40	178336.67	985	2570

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

Equivalent Thickness of the blocks tested indicates a fire rating of

4.0 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