

# 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: 2/17/2021  
Date Produced: 9/9/2020

BLOCK TYPE: 12 Inch Splitface  
Medium Weight  
Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.60	11.70	7.55	WEB	1.27
	15.61	11.63	7.59	FACE	2.00
2	15.62	11.65	7.53	WEB AREA (in <sup>2</sup> /sf)	35.29
	15.65	11.64	7.54		
3	15.62	11.70	7.53	EQUIVALENT	6.16
	15.61	11.60	7.55		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	51.78	53.82	27.92	50.05	120.61
2	53.97	56.46	29.37	52.11	120.01
3	51.08	53.14	27.69	49.37	121.05
AVERAGE	52.28	54.47	28.33	50.51	120.56
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	45.97	0.80	0.41	7.53	9.08
2	42.72	0.79	0.43	8.36	10.03
3	45.22	0.80	0.41	7.63	9.24
AVERAGE	44.64	0.80	0.42	7.84	9.45
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	182.43	94.99	244410	1340	2570
2	182.00	99.70	288430	1585	2890
3	182.62	93.61	244410	1338	2610
AVERAGE	182.35	96.10	259083.33	1421	2690

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

Equivalent Thickness of the blocks tested indicates a fire rating of

3.5 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