

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 8 Inch Ground/Smooth/Polished
Date Tested: 11/8/2020 BLOCK TYPE: Normal Weight
Date Produced: Not Reported Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	15.68	7.53	7.62	WEB	1.24
	15.66	7.55	7.62	FACE	1.22
2	15.66	7.56	7.63	WEB AREA (in ² /sf)	34.31
	15.65	7.54	7.62		
3	15.65	7.52	7.64	EQUIVALENT	3.74
	15.66	7.53	7.62		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	37.23	38.55	22.37	36.63	141.34
2	37.43	38.67	22.46	36.80	141.65
3	36.81	38.18	22.12	36.21	140.70
AVERAGE	37.16	38.47	22.32	36.55	141.23
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	31.07	0.52	0.26	5.22	7.38
2	33.55	0.52	0.26	5.10	7.23
3	30.55	0.52	0.26	5.42	7.63
AVERAGE	31.72	0.52	0.26	5.25	7.41
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	118.08	58.80	204820	1735	3480
2	118.33	58.83	225630	1907	3840
3	117.64	58.25	202940	1725	3480
AVERAGE	118.02	58.63	211130.00	1789	3600

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

P.O. BOX 186 GOLD HILL, NC 28071

PHONE: 704 279-2166 FAX: 704 279-6151