

CAROLINA STALITE COMPANY

MANUFACTURERS OF LIGHTWEIGHT AGGREGATE "STALITE"

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DRAWER 1037 SALISBURY, N.C. 28145-1037

SHIPPING POINTS: GOLD HILL, NC; AQUADALE, NC

TEST REPORT FOR CONCRETE BUILDING BRICK ASTM C55 Certification Tested per ASTM C140

PLANT: JCC - Willow Springs Concrete Brick
Date Tested: 8/11/2023 BLOCK TYPE: Normal Weight
Date Produced: Not reported Gray

BLOCK DIMENSIONS				AVERAGE THICKNESS (in)	
NO.	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)		
1	7.60	3.63	2.26	WEB	0.00
	7.63	3.63	2.26	FACE	0.00
2	7.59	3.65	2.26	WEB AREA (in ² /sf)	0.00
	7.57	3.64	2.27		
3	7.58	3.64	2.26	EQUIVALENT	3.58
	7.60	3.61	2.26		
PHYSICAL PROPERTIES					
NO.	REC'D WEIGHT	SAT WEIGHT	IMMERS'D WEIGHT	DRY WEIGHT	DENSITY PCF
1	4.85	5.06	2.83	4.76	133.73
2	4.74	4.97	2.77	4.67	132.16
3	4.83	5.04	2.82	4.75	133.51
AVERAGE	4.81	5.02	2.81	4.73	133.14
NO.	MOISTURE CONTENT	VOLUME, (CU. FT.)		ABS. % Weight	ABS. PCF
		GROSS	NET		
1	28.57	0.04	0.04	6.17	8.26
2	24.34	0.04	0.04	6.51	8.61
3	28.08	0.04	0.04	6.15	8.21
AVERAGE	27.00	0.04	0.04	6.28	8.36
NO.	AVG. AREA, SQ. IN.		LOAD, (LBS)	GROSS, (PSI)	NET, (PSI)
	GROSS	NET			
1	27.57	27.25	156600	5679	5750
2	27.70	27.01	157000	5667	5810
3	27.59	27.20	143370	5196	5270
AVERAGE	27.62	27.15	152323.33	5514	5610

The blocks tested met ASTM C-55 specifications for the tests performed
Equivalent Thickness of the bricks tested indicates a fire rating of
1.5 hours based on ACI 216.1 tables.

Submitted By:

Daniel Furr

GOLD HILL RESEARCH AND MATERIALS LABORATORY

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