

STAFFORD STONE WORKS, LLC.

Creating A New Stone Age

Phone (540) 372-6601

P.O. Box 698

Fax (540) 373-7201

Fredericksburg, VA 22404

PRODUCT DATA ASTM C1364: ARCHITECTURAL CAST STONE

MIX DESIGN - COLOR # 124

Cement:	ASTM C150 Portland White Type 1	94 lbs.
Fine Aggregate:	ASTM C33 Motor Sand	3.0 Cubic Feet
Water:	Potable (City of Fredericksburg)	3 Gallons
Admixture:	Plasticizer/Densifier	6 OUNCES
Design Strength:		6500 PSI
Yield:		2.75 C.F. (Compacted Product)

ASTM C1194 - COMPRESSIVE STRENGTH OF ARCHITECTURAL CAST STONE

SPECIMEN IDENTIFICATION	LENGTH (in)	WIDTH (in)	AREA (sq in)	LOAD (lbs)	COMPRESSIVE STRENGTH
1	2.02	2.05	4.1	44340	10700
2	2.03	1.99	4	45550	11280
3	2.06	2.09	4.3	55350	12800
AVERAGE					11590

Results of testing by: by NCMA Labs (dated 3/15/2017)

ASTM C1195- ABSORPTION OF ARCHITECTURAL CAST STONE

SPECIMEN IDENTIFICATION	TEST WEIGHTS (g)		TEST RESULTS ABSORPTION %
	DRIED	AFTER IMMERSION	
1	290.2	297.5	2.5%
2	292.1	299.6	2.6%
3	294.4	302	2.6%
AVERAGE			2.6%

Results From NCMA LABS DATYED 2/20/2018

ASTM C666 - RESISTANCE OF CONCRETE TO RADID FREEZING & THAWING

NUMBER OF CYCLES	Mass Change (%)
0	0
30	0
60	0
90	0
120	0
150	0.1
180	0.1
210	0.1
240	0.1
270	0.2
300	0.2

DF = 83 CWL (Less Than 5%) No Evidence of Significant Spalling @ 300 Cycles

RESULTS FROM NCMA LAB 5/17/18



Manufacturers of Quality Cast Stone

