




Report of Physical Property Tests

Test Specimens Provided by: **New England Stone Industries DBA Granites of America**
15 Branch Pike
Smithfield, RI 02917

Trade Name of Material: **Mason**
Country of Origin: **Mason, NH, USA**
Test Procedure: **ASTM C 880 Standard Test Method for Flexural Strength of Dimension Stone**
Rift Orientation: **Perpendicular**
Preconditioning: **Dry**

TEST RESULTS						
Specimen Number	Span (in)	Breadth (in)	Depth (in)	Load @ Failure (lbs)	Flexural Strength (lbs/in ²)	Flexural Strength (MPa)
6	12.50	4.03	1.32	1,320	1,760	12.2
7	12.50	4.02	1.29	1,360	1,910	13.1
8	12.50	4.01	1.23	1,270	1,960	13.5
9	12.50	4.01	1.35	1,320	1,690	11.7
10	12.50	4.00	1.49	1,490	1,570	10.9
Average Flexural Strength:					1,780	12.3
Standard Deviation:					160	1.1
Coefficient of Variation:					9%	9%

Date of Tests: **Monday, 07 August, 2017**
Tests performed by: **S Guilfoyle**
Report and Data Reviewed by: **C Muehlbauer** 

These tests were performed on a Applied Testing Systems Universal Testing Machine Model 910. Loads were measured on Interface Model 1020AF-12.5K-B Load Cell, Serial No. 561415A, Last Date of Calibration: August 19, 2016, traceable to the National Institute of Standards Technology (NIST).



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Country of Origin: **Mason, NH, USA**
Test Procedure: **ASTM C 880 Standard Test Method for Flexural Strength of Dimension Stone**
Rift Orientation: **Perpendicular**
Preconditioning: **Wet**

TEST RESULTS						
Specimen Number	Span (in)	Breadth (in)	Depth (in)	Load @ Failure (lbs)	Flexural Strength (lbs/in ²)	Flexural Strength (MPa)
6	12.50	3.98	1.38	1,230	1,520	10.5
7	12.50	4.02	1.28	1,230	1,750	12.1
8	12.50	4.00	1.34	1,330	1,740	12.0
9	12.50	4.00	1.38	1,350	1,660	11.5
10	12.50	4.02	1.32	1,340	1,790	12.4

Average Flexural Strength: **1,690** **11.7**
Standard Deviation: **107** **0.7**
Coefficient of Variation: **6%** **6%**

Date of Tests: **Monday, 07 August, 2017**
Tests performed by: **S Guilfoyle**
Report and Data Reviewed by: **C Muehlbauer**

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Trade Name of Material: **Mason**
 Country of Origin: **Mason, NH, USA**
 Test Procedure: **ASTM C 97**
Standard Test Method for Absorption & Bulk Specific Gravity of Dimension Stone

Specimen Number	Dry Weight (grams)	Saturated Weight (grams)	Suspended Weight (grams)	Absorption (%)	Bulk Specific Gravity	Density (kg/m ³)	Density (lbs/ft ³)
MA-C97-1	1,190.25	1,193.87	742.14	0.30%	2.635	2,635	164.5
MA-C97-2	1,168.11	1,171.52	728.68	0.29%	2.638	2,638	164.7
MA-C97-3	1,178.72	1,182.06	734.79	0.28%	2.635	2,635	164.5
MA-C97-4	1,174.89	1,178.23	732.37	0.28%	2.635	2,635	164.5
MA-C97-5	1,213.56	1,217.00	756.71	0.28%	2.637	2,637	164.6
Average:				0.29%	2.636	2,636	164.6
Standard Deviation:				0.01%	0.001	1	0.1
Coefficient of Variation:				3.4%	0.0%	0.0%	0.1%

Date of Tests: **8/7/2017**
 Tests performed by: **S Guilfoyle**
 Report and Data Reviewed by: **C Muehlbauer** *C. Muehlbauer*

These tests were performed on an Ohaus Laboratory Balance Model AX2202/E, Serial No. B614316489. Last Date of Calibration: May, 2016, traceable to the National Institute of Standards Technology (NIST).