



**Semco Stone ASTM Stone Testing Results**



## » ASHRIDGE

---

**COLOR/CHARACTERISTICS:** Ashridge Chopped is a Class III Quartzitic Sandstone that is mostly blue/gray in color with some brown

**FEATURES:**

Heights: 4" - 12"  
Lengths: Random up to 24"  
50/50 blend of split-face and bed-face

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

DENSITY: 161.77 lb/ft<sup>3</sup>  
SPECIFIC GRAVITY: 2.592  
ABSORPTION: .59%

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 27,721 psi

---



## » BALTIC BUFF

**COLOR/CHARACTERISTICS:** A natural sandstone buff with brown swirls

### SPECIFICATIONS:

#### ASTM C 97

OVEN DRY DENSITY: 154.4 lb/ft <sup>3</sup>	CLASS I SANDSTONE
SSD DENSITY: 142.7 lb/ft <sup>3</sup>	CLASS I SANDSTONE
SPECIFIC GRAVITY: 2.16	
ABSORPTION: 5.93%	CLASS I SANDSTONE

#### ASTM C 99

MODULUS OF RUPTURE:	Perpendicular & Dry	950 psi
	Parallel & Dry	500 psi
	Perpendicular & Wet	710 psi
	Parallel & Wet	410 psi

#### ASTM C 170

COMPRESSIVE STRENGTH:	Perpendicular & Dry	12,900 psi
	Parallel & Dry	7,500 psi
	Perpendicular & Wet	11,100 psi
	Parallel & Wet	7,000 psi

#### ASTM C 153

ABRASION RESISTANCE OF DIMENSION STONE SUBJECTED TO FOOT TRAFFIC USING A ROTARY PLATFORM:

Initial Mass (Average): 217.15	CLASS I SANDSTONE
Mass after 1,000 revolutions (Average): 199.53	CLASS I SANDSTONE
Index Abrasion Resistance (Average): 4.51	CLASS I SANDSTONE

#### ASTM C 666

**FREEZE/THAW TESTING:** These results are available upon request. It is a long report so did not include on this particular page due to lack of space.

\*This information is based on test results by CTL Group



## » BALTIC BUFF FREEZE / THAW TESTING RESULTS

### ASTM C215, DYNAMIC MODULUS OF ELASTICITY DURING ASTM C666 FREEZE/THAW TESTING:

Number of Cycles	0	33	63	99	135	171	207	303
------------------	---	----	----	----	-----	-----	-----	-----

### SAMPLE DIMENSIONS

Length, m	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282
Width, m	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078
Depth, m	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077
Cross-Sectional Area, m <sup>2</sup>	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Poisson's Ration (assumed)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Radius of Gyration, K	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
K/L	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Correction Factor per Table 1 of ASTM C215	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
Constant per Eq. 1 of ASTM C215	888.1	888.1	888.1	888.1	888.1	888.1	888.1	888.1
Mass of Test Sample, kg	3.83	3.84	3.84	3.84	3.85	3.85	3.85	3.86

### NON-DESTRUCTIVE EVALUATION PER ASTM C215

Average Transverse Resonant Frequency, Hz	1313	1223	1236	1236	1236	1236	1243	1230
Dynamic Modulus of Elasticity	5.9	5.1	5.2	5.2	5.2	5.2	5.3	5.2

### NOTES:

1. As requested, Poisson' Ration was assumed to be 0.2 based on internet research.
2. This report represents specifically the samples submitted.
3. This report may not be reproduced except in its entirety.



## » BLACK HILLS RUSTIC

---

**COLOR/CHARACTERISTICS:** Browns, tans, golds with tints of black and auburn tones

**FEATURES:**

Full Veneer: 50% seam-face, 50% bed-face

ThinCut<sup>TM</sup> Veneer: 50% seam-face, 50% bed-face

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

DENSITY: 155.34 lb/ft<sup>3</sup>

ABSORPTION: 3.0%

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 23,814 psi CLASS III QUARTZITE

---

**ASTM C 880**

FLEXURAL STRENGTH: Perpendicular: 3,065 psi

---

**ASTM C 97**

BULK SPECIFIC GRAVITY 2.561 CLASS II QUARTZITIC SANDSTONE

---

\*This information is based on test results by Pacific Materials Laboratory



## » BLUE RIVER

**COLOR/CHARACTERISTICS:** Gray with some variegation

**FEATURES:**

Random Height: 100% Split-face

Dimensional: Sawn heights, split-face and ends

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

**ASTM C 880**

FLEXURAL STRENGTH:

Perpendicular: 2,304

Parallel: 2,303

**ASTM C 170**

COMPRESSIVE STRENGTH:

Perpendicular

Area 4.512

PS 17,778

Parallel

Area 4.553

PS 19,034

**ASTM C 97**

SPECIFIC GRAVITY: 2.68

ABSORPTION: 0.34%

\*This information is based on test results by PSI, Inc. in St. Louis, MO.



## » BOONVILLE BLEND

---

**COLOR/CHARACTERISTICS:** Range of light brown, tan, grays and dark brown

**FEATURES:**

Heights: 2" - 6"

Lengths: Random up to 16"

Available in ThinCut<sup>TM</sup> only

**SPECIFICATIONS:**

---

**ASTM C 97**

SPECIFIC GRAVITY: 2.33

ABSORPTION: 2.7%

---

**ASTM C 99**

MODULUS OF RUPTURE: 2,939 psi

ORIENTATION/CONDITION: Parallel to the Rift/Dry

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 12,000 psi

---

\*This information is based on test results by Geotechnology, Inc. in St. Louis, MO.



## » BRENTWOOD

**COLOR/CHARACTERISTICS:** Range of chocolate to light brown, buff and gray. Some pieces have a beautiful texture resembling wood rings on a tree

**FEATURES:** Natural bed heights that range between 4" - 9" in height, with the split-face and natural edge exposed

Available in Full Veneer & ThinCut™

### SPECIFICATIONS:

#### ASTM C 97

DENSITY: 151.55 lb/ft<sup>3</sup>

SPECIFIC GRAVITY: 2.429

ABSORPTION: 1.81%

CLASS II QUARTZITIC SANDSTONE

CLASS III QUARTZITE

#### ASTM C 99

MODULUS OF RUPTURE: 1,554 psi

CLASS III QUARTZITE

10.71 Mpa

#### ASTM C 170

COMPRESSIVE STRENGTH: 11,403 psi

CLASS III QUARTZITE

78.61 Mpa

#### ASTM C 241

ABRASION RESISTANCE: 52.58

CLASS III QUARTZITE

#### ASTM C 880

FLEXURAL STRENGTH:

Perpendicular: 3,065 psi

Parallel: 21.13 Mpa

#### X-RAY DIFFRACTION MINERALOGICAL ANALYSIS

FREE SILICA CONTENT: 93%

CLASS II QUARTZITIC SANDSTONE

**STATIC COEFFICIENT OF FRICTION** DRY: 1.21 WET: .94





## » BROOKHAVEN

**COLOR/CHARACTERISTICS:** Light gray with some buff variegation

**FEATURES:**

Random Height: 100% Split-face

Dimensional: Sawn heights, split-face and ends

Available in Full Veneer & ThinCut™

**SPECIFICATIONS:**

**ASTM C 97**

SPECIFIC GRAVITY: 2.55

ABSORPTION: 2.66%

**ASTM C 99**

MODULUS OF RUPTURE: 1,866 lb/in<sup>2</sup>

**ASTM C 170**

COMPRESSIVE STRENGTH:

Perpendicular Area 9.45 in<sup>2</sup> 13,350 psi

Parallel Area 9.54 in<sup>2</sup> 12,800 psi

**ASTM C 880**

FLEXURAL STRENGTH:

Parallel to the Rift/Dry: 1,748 psi

Testing was performed in general accordance with the following ASTM Standards. This information is based in December 2017 test results by Professional Service Industries and Geotechnology.

\*C 99 and C 880 were performed under the dry condition, horizontal to the rift.



## » CANADIAN LEDGE

---

**COLOR/CHARACTERISTICS:** Class III Quartzitic Sandstone with a range of colors from light buff to dark brown and rust shades

**FEATURES:**

3" - 5" Heights, Random Lengths  
50% snapped to 50% natural edge

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

DENSITY: 155.43 lb/ft<sup>3</sup>  
SPECIFIC GRAVITY: 2.561  
ABSORPTION: 1.6%

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 23,814 psi

---

**ASTM C 880**

AVERAGE FLEXURAL STRENGTH: 3,065 psi

---

**STATIC COEFFICIENT OF FRICTION:** DRY: 1.21      WET: .94

---



## » CASTLEWOOD

---

**COLOR/CHARACTERISTICS:** Buff colored limestone

**FEATURES:**

Uniform heights of 4" – 6" or 13" – 15"

Average depth is 24" - 30"

Average length: 4 ft. – 5 ft.

**SPECIFICATIONS:**

---

**ASTM C 97**

SPECIFIC GRAVITY: Dry: 2.542 Wet: 2.684

ABSORPTION: 2.1%

---

**FREEZE/THAW SOUNDESS RATIO:** 98% Retained

---

\*This information is based on test results by Kansas Department of Transportation



## » CHATEAU BAY

**COLOR/CHARACTERISTICS:** Overall tones are light & dark gray with some buff variegation and some stone has a blue/gray color to the stone

**FEATURES:**

- Random Height: 100% Split-face
- Dimensional: Sawn heights, split-face and ends

Available in Full Veneer & ThinCut<sup>™</sup>

### BLUE RIVER SPECIFICATIONS:

**ASTM C 880**

FLEXURAL STRENGTH: Perpendicular: 2,304 Parallel: 2,303

**ASTM C 170**

COMPRESSIVE STRENGTH: Perpendicular Area 4.512 PS 17,778  
 Parallel Area 4.553 PS 19,034

**ASTM C 97**

SPECIFIC GRAVITY: 2.68 ABSORPTION: 0.34%

### BROOKHAVEN SPECIFICATIONS:

**ASTM C 880**

FLEXURAL STRENGTH: Perpendicular: 2,304 Parallel: 2,303

**ASTM C 170**

COMPRESSIVE STRENGTH: Perpendicular Area 4.512 PS 17,778  
 Parallel Area 4.553 PS 19,034

**ASTM C 97**

SPECIFIC GRAVITY: 2.68 ABSORPTION: 0.34%

\*This information is based on test results by PSI, Inc. in St. Louis, MO.



## » CHESTNUT HILL

---

**COLOR/CHARACTERISTICS:** Brown and rust with red tones

**FEATURES:**

Full Veneer: 100% Seam-face/Bed-face

ThinCut<sup>TM</sup> Veneer: 50% Seam-face, 50% Bed-face

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

DENSITY: 155.34 lb/ft<sup>3</sup>

ABSORPTION: 3.0%

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 23,814 psi CLASS III QUARTZITE

---

**ASTM C 880**

FLEXURAL STRENGTH: Perpendicular: 3,065 psi

---

**ASTM C 97**

BULK SPECIFIC GRAVITY 2.561 CLASS II QUARTZITIC SANDSTONE

---

\*This information is based on test results by Pacific Materials Laboratory



## » CLIFFSIDE

COLOR/CHARACTERISTICS: Gray & buff tones

### SPECIFICATIONS:

#### ASTM C 97

ABSORPTION: 2.74%  
BULK SPECIFIC GRAVITY: 2.531  
DENSITY: 157.99 lb/ft<sup>3</sup>

#### ASTM C 99

MODULUS OF RUPTURE: 1,306 psi

#### ASTM C 170

COMPRESSIVE STRENGTH: 13,133 psi

#### ASTM C 880

FLEXURAL STRENGTH: 1,375 psi

\*C 97 and C 170 were performed under the dry condition, parallel to the bedding planes.

Testing was performed in general accordance with the following ASTM Standards.  
This information is based on test results from March 2018 by Professional Service  
Industries and Geotechnology, Inc. in St. Louis, MO.



## » DEER HAVEN

---

**COLOR/CHARACTERISTICS:** Light tan to brown with some gray tones

**FEATURES:**

100% Bed-face material with random heights from 3" to 6"  
Random lengths

Available in Full Veneer & ThinCut™

**SPECIFICATIONS:**

---

**ASTM C 97**

BULK SPECIFIC GRAVITY	2.387	CLASS II QUARTZITIC SANDSTONE
BULK SPECIFIC GRAVITY, SSD	2.459	
APPARENT SPECIFIC GRAVITY	2.5718	

ABSORPTION: 3.0%

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 7,500 psi CLASS III QUARTZITE

---

**ASTM C 880**

FLEXURAL STRENGTH: Perpendicular: 3,065 psi

---

\*This information is based on test results by Pacific Materials Laboratory



## » DOVE GRAY

---

**COLOR/CHARACTERISTICS:** Overall tone is light gray with some occasional darker gray variegation through the stone

### SPECIFICATIONS:

---

**ASTM C 97**

DRY WEIGHT: 1025.7 g  
SSD WEIGHT: 1045.3 g  
WET WEIGHT: 641.7 g  
DENSITY: 158.6 lbs/ft<sup>3</sup>  
ABSORPTION: 1.91%

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 11,960 psi

---

**ASTM C 99**

MODULUS OF RUPTURE: 1,500	PARALLEL
MODULUS OF RUPTURE: 1,680	PERPENDICULAR

---

\*This information is based on test results by Tetra Tech, Inc.





## » EASTERN WEATHERED SANDSTONE

---

**COLOR/CHARACTERISTICS:** Eastern Weathered Sandstone is a naturally occurring sandstone material, weathered naturally by the effects of its environment. Colors range from gray to brown and mossy covered.

### SPECIFICATIONS:

---

**ASTM C 97**

SPECIFIC GRAVITY: 2.33

ABSORPTION: 2.7%

---

**ASTM C 99**

MODULUS OF RUPTURE: 2.939 psi

ORIENTATION/CONDITION: Parallel to the Rift/Dry

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 12,000 psi

ORIENTATION/CONDITION: Parallel to the Rift/Dry



## » FOND DU LAC

---

**COLOR/CHARACTERISTICS:** Range of light buff to light gray.

**FEATURES:** Range of heights from 2" to 6" with random lengths up to 40"  
100 % split-face material

Available in Full Veneer & ThinCut™

### SPECIFICATIONS:

---

**ASTM C 97**

DENSITY: 167.3 (pcf)  
SPECIFIC GRAVITY: 2.683  
ABSORPTION: 0.6%

---

**ASTM C 99**

MODULUS OF RUPTURE: 3,390	PARALLEL
MODULUS OF RUPTURE: 3,430	PERPENDICULAR

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 19,080 (psi)	PARALLEL
COMPRESSIVE STRENGTH: 24,310 (psi)	PERPENDICULAR

---

**ASTM C 880**

FLEXURAL STRENGTH:	Perpendicular: 2,470 (psi)	Parallel: 2,470 (psi)
--------------------	----------------------------	-----------------------

---



## » GUNSMOKE GRAY

---

**COLOR/CHARACTERISTICS:** Gray with darker variegation

**FEATURES:**

Random Height: 100% Split-face

Dimensional: Sawn heights, split-face and ends

**WEIGHT:** 145 per cu. ft., so depending what thickness you are looking at using, will determine what it correlates to on a square foot basis.

Available in Full Veneer & ThinCut™

**SPECIFICATIONS:**

---

**ASTM C 97**

SPECIFIC GRAVITY: 2.121

ABSORPTION: 6.13%

---

**ASTM C 99\***

MODULUS OF RUPTURE: 801 psi

---

**ASTM C 170\***

COMPRESSIVE STRENGTH: 8,138 psi

---

Testing was performed in general accordance with the following ASTM Standards. This information is based in October 2003 test results by Construction Consulting & Testing, Inc.

\*C 99 and C 170 were performed under the dry condition, perpendicular to the bedding planes.





## »» INDIANA LIMESTONE

---

See file



---

50 Robinson Industrial Drive • Perryville, MO 63775

[www.semcostone.com](http://www.semcostone.com) • (800) 814-1072

## » MOJAVE LEDGE

---

**COLOR/CHARACTERISTICS:** Wide range of color & texture, including white, tans, browns, golds and rusts

**FEATURES:**

Up to 50% may be angled slightly and/or dramatically. Random heights 1.5" to 3"  
Random lengths 8" to 20"

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

BULK SPECIFIC GRAVITY: 2.387  
DENSITY: 155.34 lbs./ft<sup>3</sup>

CLASS II QUARTZITIC SANDSTONE

ABSORPTION: 3.0%

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 7,500 psi CLASS III QUARTZITE

---

\*This information is based on test results by Pacific Materials Laboratory



## » MOUNTAIN RIDGE

---

**COLOR/CHARACTERISTICS:** Gray, blue & buff tones

**FEATURES:**

Random Height: 100% Split-face

Dimensional: Sawn heights, split-face and ends

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 170**

COMPRESSIVE STRENGTH:	Perpendicular	PSI (gross) 12,547
	Parallel	PSI (gross) 12,310

---

**ASTM C 97**

SPECIFIC GRAVITY: 2.61	ABSORPTION: 4.0%
------------------------	------------------

---

\*This information is based on test results by PSI, Inc. in St. Louis, MO.



## »» OHIO STONE

	DENSITY	ABSORPTION	COMPRESSIVE STRENGTH	MODULUS OF RUPTURE
SOUTHERN & RUSTIC BUFF	167.6 lb/ft <sup>3</sup>	0.99%	14,336 psi	1,266.6 psi
CANYON GRAY	169 lb/ft <sup>3</sup>	0.276%	15,344 psi	1,175.2 psi
BUCKSKIN BUFF	155 lb/ft <sup>3</sup>	3.72%	14,313 psi	889.4 psi
OHIO FIELDSTONE	166 lb/ft <sup>3</sup>	0.568%	12,282 psi	1,150.7 psi
OHIO RED SANDSTONE	132 lb/ft <sup>3</sup>	6.58%	7,224 psi	1,524.2 psi
GRAY GORGE & GRAY GORGE TAN	169 lb/ft <sup>3</sup>	0.868%	11,876 psi	1,732.6 psi





## » PINE RIDGE

---

**COLOR/CHARACTERISTICS:** Brown and rust with red tones

**FEATURES:**

Full Veneer: 100% Seam-face/Bed-face

ThinCut™ Veneer: 50% Seam-face, 50% Bed-face

Available in Full Veneer & ThinCut™

**SPECIFICATIONS:**

---

**ASTM C 97**

DENSITY: 161.77 lb/ft<sup>3</sup>

SPECIFIC GRAVITY: 2.592

ABSORPTION: 0.59%

---



50 Robinson Industrial Drive • Perryville, MO 63775

[www.semcostone.com](http://www.semcostone.com) • (800) 814-1072



## » PLATINUM FALLS

---

**COLOR/CHARACTERISTICS:** Light to dark grays & blues

**FEATURES:**

100% Bed-face with a natural back

Sawn Heights: 2", 3", 4"

Lengths: Random up to 24"

Available in ThinCut<sup>TM</sup> only

**SPECIFICATIONS:**

---

**ASTM C 97**

DENSITY: 142.8 lb/ft<sup>3</sup>

ABSORPTION: 1.5534%

---

**ASTM C 99**

MODULUS OF RUPTURE: 890 psi

CLASS III QUARTZITE

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 7,500 psi

CLASS III QUARTZITE

---

**ASTM C 97**

BULK SPECIFIC GRAVITY

2.3872

CLASS II QUARTZITIC SANDSTONE

---

\*This information is based on test results by Pacific Materials Laboratory



## » PREMIUM FIELDSTONE BLEND

---

**COLOR/CHARACTERISTICS:** Premium Fieldstone Blend is a naturally occurring sandstone material, weathered naturally by the effects of its environment. Harvested from the hills of Southern Missouri and Northern Arkansas, it is then shipped to our fabrication facility in Perryville Missouri, where it is fabricated into ThinCut<sup>TM</sup> building stone veneer.

**FEATURES:**

50% Natural beds with weathered edge, 50% Split-face

Heights: 3" - 7"

Lengths: Random up to 16"

Color: Range of brown, gold and rust with occasional white & red through the stone

Available in ThinCut<sup>TM</sup> only and has finished ends

**SPECIFICATIONS:**

---

**ASTM C 97**

SPECIFIC GRAVITY: 2.121

ABSORPTION: 6.13%

---

**ASTM C 99\***

MODULUS OF RUPTURE: 801 psi

---

**ASTM C 170\***

COMPRESSIVE STRENGTH: 8,138 psi

---

Testing was performed in general accordance with the following ASTM Standards. This information is based on test results by Construction Consulting & Testing, Inc.

\*C 99 and C 170 were performed under the dry condition, perpendicular to the bedding planes.



## » ROCKPORT BLEND

**COLOR/CHARACTERISTICS:** Light & dark gray, blue & buff tones

**FEATURES:**

Random Height: 100% Split-face  
 Dimensional: Sawn heights, split-face and ends

Available in Full Veneer & ThinCut™

**MOUNTAIN RIDGE SPECIFICATIONS:**

**ASTM C 170**

COMPRESSIVE STRENGTH:	Perpendicular	PSI (gross) 12,547
	Parallel	PSI (gross) 12,310

**ASTM C 97**

SPECIFIC GRAVITY: 2.61	ABSORPTION: 4.0%
------------------------	------------------

\*This information is based on test results by PSI, Inc. in St. Louis, MO.

**BLUE RIVER SPECIFICATIONS:**

**ASTM C 880**

FLEXURAL STRENGTH:	Perpendicular: 2,304	Parallel: 2,303
--------------------	----------------------	-----------------

**ASTM C 170**

COMPRESSIVE STRENGTH:	Perpendicular	Area 4.512	PS 17,778
	Parallel	Area 4.553	PS 19,034

**ASTM C 97**

SPECIFIC GRAVITY: 2.68	ABSORPTION: 0.34%
------------------------	-------------------

\*This information is based on test results by PSI, Inc. in St. Louis, MO.



## » RUSTIC CEDAR

**COLOR/CHARACTERISTICS:** Buff with some blue and gray veining

**FEATURES:**

Random Height: 100% Split-face

Dimensional: Sawn heights, split-face and ends

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

**ASTM C 97**

DENSITY: 154.6 lb/ft<sup>3</sup>

ABSORPTION: 3.54%

**ASTM C 170**

COMPRESSIVE STRENGTH

**DRY CONDITION**

Parallel: 17,002 psi

Perpendicular: 21,591 psi

**WET CONDITION**

Parallel: 11,919 psi

Perpendicular: 19,787 psi

**ASTM C 880**

FLEXURAL STRENGTH

**DRY CONDITION**

Parallel: 1,743 psi

Perpendicular: 922 psi

**WET CONDITION**

Parallel: 1,248 psi

Perpendicular: 834 psi

Testing was performed in general accordance with the following ASTM Standards.

This information is based on test results by The Council of North America, Inc.



## » SILVERDALE

---

**COLOR/CHARACTERISTICS:** Limestone buff in color with some light yellow variegation throughout the stone

**SPECIFICATIONS:**

---

**ASTM C 97**

DENSITY: 134.19

SPECIFIC GRAVITY: 2.151 lb/ft<sup>3</sup>

ABSORPTION: 7.51%

---

**ASTM C 99**

MODULUS OF RUPTURE: 822 psi (5.67 MPa)

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 5047 psi (34.79 MPa)

---

**ASTM C 880**

FLEXURAL STRENGTH: 725 psi (5.00 MPa)

---

**ASTM C 241**

ABRASION RESISTANCE: 3.18

---

Testing was performed in general accordance with the following ASTM Standards. Test results by SGS U.S. Testing Company, Inc.



## » SILVER MIST

---

### COLOR/CHARACTERISTICS:

100% Split-Face

Gray tones with some veining throughout the stone

### FEATURES:

Heights: 4" – 10"

Lengths: Random lengths

Available in Full Veneer & ThinCut<sup>TM</sup>

### SPECIFICATIONS:

---

AVERAGE PSI: 11,750 (psi)

ABSORPTION: 5.2%

OVEN DRY SPECIFIC GRAVITY: 2.23

SSD SPECIFIC GRAVITY: 2.34

APPERENT SPECIFIC GRAVITY: 2.52

OVEN DRY DENSITY: 138.6 lbs/ft<sup>3</sup>

SSD DENSITY: 145.8 lbs/ft<sup>3</sup>

APPERENT DENSITY: 156.7 lbs/ft<sup>3</sup>

---

Testing was performed in general accordance with the following ASTM Standards.  
This information is based on test results by Koehler Engineering.



## » STONEYBROOK

---

### COLOR/CHARACTERISTICS:

100% SPLIT FACE LIMESTONE: Gray with a touch of blue & mauve

100% BED FACE LIMESTONE: Range of lavenders, browns, gray & mauve

### FEATURES:

100% Split-face – Range of heights from 2" to 6" with random lengths up to 40"

100% Bed-face – 6", 8", 12" and 18" heights with random lengths up to 40"

(ThinCut<sup>TM</sup> cannot exceed 10.5" heights)

Available in Full Veneer & ThinCut<sup>TM</sup>

### SPECIFICATIONS:

---

#### ASTM C 97

DENSITY: 176.5 (pcf)

SPECIFIC GRAVITY: 2.83

ABSORPTION: 0.2%

#### ASTM C 99

MODULUS OF RUPTURE: 2,630 PARALLEL

MODULUS OF RUPTURE: 2,980 PERPENDICULAR

#### ASTM C 170

COMPRESSIVE STRENGTH: 24,500 (psi) PARALLEL

COMPRESSIVE STRENGTH: 21,030 (psi) PERPENDICULAR

#### ASTM C 880

FLEXURAL STRENGTH: Perpendicular: 1,660 (psi) Parallel: 1,890 (psi)



## »» TIMBER CREEK

---

**COLOR/CHARACTERISTICS:** Buff with some light and dark gray veining

**FEATURES:**

Dimensional: Sawn heights, split-face and ends

Available in Full Veneer & ThinCut™

**SPECIFICATIONS:**

---

**ASTM C 97**

DENSITY: 166.5 lb/ft<sup>3</sup>

ABSORPTION: 2.668%

---

**ASTM C 170**

COMPRESSIVE STRENGTH

**DRY CONDITION**

Perpendicular: 22,600 psi

---

Testing was performed in general accordance with the following ASTM Standards.  
This information is based on test results by Geotechnology, Inc. in St. Louis, MO.





## » TUSCAN TAN

---

### COLOR/CHARACTERISTICS:

100% Split-Face

Tan and cream colors, some gray tones with some veining throughout the stone

### FEATURES:

Heights: 4" – 10"

Lengths: Random lengths

Available in Full Veneer & ThinCut<sup>™</sup>

### SPECIFICATIONS:

---

AVERAGE PSI: 6,670 (psi)

ABSORPTION: 8.8%

OVEN DRY SPECIFIC GRAVITY: 2.08

SSD SPECIFIC GRAVITY: 2.26

APPERENT SPECIFIC GRAVITY: 2.54

OVEN DRY DENSITY: 129.5 lbs/ft<sup>3</sup>

SSD DENSITY: 140.8 lbs/ft<sup>3</sup>

APPERENT DENSITY: 158.4 lbs/ft<sup>3</sup>

---

Testing was performed in general accordance with the following ASTM Standards.  
This information is based on test results by Koehler Engineering.



## » URBAN COPPER

---

**COLOR/CHARACTERISTICS:** 100% split-face stones with a warm and mellow blend of whites, creams, and yellows with a hint of copper, blue and gray veining.

**FEATURES:**

Height: Approximately 3" with an average of 20% to 30% of 6" to 8" jumpers mixed in  
Length: Random lengths between 4" – 18"

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

DRY WEIGHT: 364.4 g  
IMMERSED WEIGHT: 224.5 g  
SSD WEIGHT: 368.8 g  
ABSORPTION: 1.2%  
SPECIFIC GRAVITY: 2.53

---

**ASTM C 99**

MODULUS OF RUPTURE: 3,225 lb/in<sup>2</sup>                      PARALLEL

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 29,300 (psi)                      PARALLEL

---

Testing was performed in general accordance with the following ASTM Standards.  
This information is based on test results by Geotechnology, Inc. in St. Louis, MO.



## » URBAN GREIGE

---

**COLOR/CHARACTERISTICS:** 100% split-face stones with a color range of light to dark gray.

**FEATURES:**

Height: Approximately 3" with an average of 20% to 30% of 6" to 8" jumpers mixed in

Length: Random lengths between 4" – 18"

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

DRY WEIGHT: 364.4 g

IMMERSED WEIGHT: 224.5 g

SSD WEIGHT: 368.8 g

ABSORPTION: 1.2%

SPECIFIC GRAVITY: 2.53

---

**ASTM C 99**

MODULUS OF RUPTURE: 3,225 lb/in<sup>2</sup>

PARALLEL

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 29,300 (psi)

PARALLEL

---

Testing was performed in general accordance with the following ASTM Standards.

This information is based on test results by Geotechnology, Inc. in St. Louis, MO.



## » WEATHERED FIELDSTONE

---

**COLOR/CHARACTERISTICS:** Weathered Fieldstone is a naturally occurring sandstone material, weathered naturally by the effects of its environment. Harvested from the hills of Southern Missouri and Northern Arkansas, it is then shipped to our fabrication facility in Perryville Missouri, where it is fabricated into building stone veneer, full bed depth and ThinCut<sup>TM</sup> veneer.

**FEATURES:**

- Random Height: 100% Split-face
- Dimensional: Sawn heights, split-face and ends

Available in ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

SPECIFIC GRAVITY: 2.121  
ABSORPTION: 6.13%

---

**ASTM C 99\***

MODULUS OF RUPTURE: 801 psi

---

**ASTM C 170\***

COMPRESSIVE STRENGTH: 8,138 psi

---

Testing was performed in general accordance with the following ASTM Standards. This information is based on test results by Construction Consulting & Testing, Inc.

\*C 99 and C 170 were performed under the dry condition, perpendicular to the bedding planes.



## » WESTON CREAM

**COLOR/CHARACTERISTICS:** Light buff cream colored

**FEATURES:**

Random Height: 100% Split-face

Dimensional: Sawn heights, split-face and ends

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

**ASTM C 97**

DENSITY: 135.61 lb/ft<sup>3</sup>

SPECIFIC GRAVITY: 2.173

ABSORPTION: 6.51%

**ASTM C 99**

MODULUS OF RUPTURE: 883 psi      6.09 Mpa

**ASTM C 170**

COMPRESSIVE STRENGTH: 5,686 psi      39.20 Mpa

**ASTM C 241**

ABRASION RESISTANCE: 5.06

**ASTM C 880**

FLEXURAL STRENGTH:                      Perpendicular: 1,053 psi      Parallel: 7.26 Mpa



## » WESTON SHELL

---

**COLOR/CHARACTERISTICS:** Shades of buff to tan. Sea shells have been preserved for millions of years in this unique limestone

**FEATURES:**

100% Split-face with random heights from 4" to 12" (ThinCut<sup>TM</sup> cannot exceed 10.5")  
Random lengths from 10" to 30"

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

BULK SPECIFIC GRAVITY: 2.16  
DENSITY: 134.6 lbs./ft<sup>3</sup>  
ABSORPTION: 6.1%

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 5,800 psi    PARALLEL  
COMPRESSIVE STRENGTH: 6,010 psi    PERPENDICULAR

---

**ASTM C 99**

MODULUS OF RUPTURE: 1,050            PARALLEL  
MODULUS OF RUPTURE: 810            PERPENDICULAR



## » WILLOWBROOK BLUE

**COLOR/CHARACTERISTICS:** Willowbrook Blue is blue/gray in color with some brown and rust variegation

**FEATURES:**

50% Bed-face, 50% Split-face  
 Heights: 3" – 7" Lengths: Random

Available in Full Veneer & ThinCut™

**SPECIFICATIONS:**

**ASTM C 97**

DENSITY: 159.83 lb/ft <sup>3</sup>	CLASS II QUARTZITIC SANDSTONE
SPECIFIC GRAVITY: 2.561	
ABSORPTION: 0.97%	CLASS III QUARTZITE

**ASTM C 99**

MODULUS OF RUPTURE: 2,639 psi	CLASS III QUARTZITE	18.19 Mpa
-------------------------------	---------------------	-----------

**ASTM C 170**

COMPRESSIVE STRENGTH: 23,814 psi	CLASS III QUARTZITE	164.17 Mpa
----------------------------------	---------------------	------------

**ASTM C 241**

ABRASION RESISTANCE: 52.58	CLASS III QUARTZITE
----------------------------	---------------------

**ASTM C 880**

FLEXURAL STRENGTH:	Perpendicular: 3,065 psi	Parallel: 21.13 Mpa
--------------------	--------------------------	---------------------

**X-RAY DIFFRACTION MINERALOGICAL ANALYSIS**

FREE SILICA CONTENT: 93%	CLASS II QUARTZITIC SANDSTONE
--------------------------	-------------------------------

**STATIC COEFFICIENT OF FRICTION** DRY: 1.21 WET: .94



## » WILLowBROOK BROWN

**COLOR/CHARACTERISTICS:** Willowbrook Brown has shades of brown & tan, speckled with dark brown

**FEATURES:**

50% Bed-face, 50% Split-face  
 Heights: 3" – 7" Lengths: Random

Available in Full Veneer & ThinCut™

**SPECIFICATIONS:**

**ASTM C 97**

DENSITY: 159.83 lb/ft <sup>3</sup>	CLASS II QUARTZITIC SANDSTONE
SPECIFIC GRAVITY: 2.561	
ABSORPTION: 0.97%	CLASS III QUARTZITE

**ASTM C 99**

MODULUS OF RUPTURE: 2,639 psi	CLASS III QUARTZITE	18.19 Mpa
-------------------------------	---------------------	-----------

**ASTM C 170**

COMPRESSIVE STRENGTH: 23,814 psi	CLASS III QUARTZITE	164.17 Mpa
----------------------------------	---------------------	------------

**ASTM C 241**

ABRASION RESISTANCE: 52.58	CLASS III QUARTZITE
----------------------------	---------------------

**ASTM C 880**

FLEXURAL STRENGTH:	Perpendicular: 3,065 psi	Parallel: 21.13 Mpa
--------------------	--------------------------	---------------------

**X-RAY DIFFRACTION MINERALOGICAL ANALYSIS**

FREE SILICA CONTENT: 93%	CLASS II QUARTZITIC SANDSTONE
--------------------------	-------------------------------

**STATIC COEFFICIENT OF FRICTION** DRY: 1.21 WET: .94





## » WIND RIVER

---

**COLOR:** Tan, pink, rust and dark brown in color

### SPECIFICATIONS:

---

**ASTM C 97**

SPECIFIC GRAVITY: 2.53

ABSORPTION: 1.2%

---

**ASTM C 99**

MODULUS OF RUPTURE: 3,225 psi

ORIENTATION/CONDITION: Parallel to the Rift/Dry

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 29,300 psi

ORIENTATION/CONDITION: Parallel to the Rift/Dry



## » YUKON LEDGE

---

**COLOR/CHARACTERISTICS:** Deep rust to dark brown seam-face

**FEATURES:**

Random heights 1" to 4"

Random lengths 5" to 20"

Available in Full Veneer & ThinCut<sup>TM</sup>

**SPECIFICATIONS:**

---

**ASTM C 97**

BULK SPECIFIC GRAVITY: 2.387

CLASS II QUARTZITIC SANDSTONE

DENSITY: 155.34 lbs./ft<sup>3</sup>

ABSORPTION: 3.0%

---

**ASTM C 170**

COMPRESSIVE STRENGTH: 7,500 psi

CLASS III QUARTZITE

---

\*This information is based on test results by Pacific Materials Laboratory

