



Semco Stone ASTM Stone Testing Results



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» 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 & ThinCutTM

SPECIFICATIONS:

ASTM C 97

DENSITY: 161.77 lb/ft³
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 ³	CLASS I SANDSTONE
SSD DENSITY: 142.7 lb/ft ³	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
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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 ²	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

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

Available in Full Veneer & ThinCutTM

SPECIFICATIONS:

ASTM C 97

DENSITY: 155.34 lb/ft³

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 & ThinCutTM

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 ThinCutTM 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/ft³

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/in²

ASTM C 170

COMPRESSIVE STRENGTH:

Perpendicular	Area 9.45 in ²	13,350 psi
Parallel	Area 9.54 in ²	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 & ThinCutTM

SPECIFICATIONS:

ASTM C 97

DENSITY: 155.43 lb/ft³
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%

ASTM C 99**

MODULUS OF RUPTURE: 1,500

PARALLEL

MODULUS OF RUPTURE: 1,680

PERPENDICULAR

ASTM C 170**

COMPRESSIVE STRENGTH: 11,960 psi

FREEZE/THAW SOUNDESS RATIO* 98% Retained

*Information is based on test results by Kansas Department of Transportation

**Information is based on test results by Tetra Tech, Inc.



» 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™

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

ThinCutTM Veneer: 50% Seam-face, 50% Bed-face

Available in Full Veneer & ThinCutTM

SPECIFICATIONS:

ASTM C 97

DENSITY: 155.34 lb/ft³

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



» CRAB ORCHARD

COLOR: Tan with dark brown veining

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



» 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 & ThinCutTM

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/ft³
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 & ThinCutTM

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)
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» 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

Request this file by emailing info@semcostone.com
because this testing data report has several pages and is easier to email.



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» 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 & ThinCutTM

SPECIFICATIONS:

ASTM C 97

BULK SPECIFIC GRAVITY: 2.387 CLASS II QUARTZITIC SANDSTONE
DENSITY: 155.34 lbs./ft³

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 & ThinCutTM

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 ³	0.99%	14,336 psi	1,266.6 psi
CANYON GRAY	169 lb/ft ³	0.276%	15,344 psi	1,175.2 psi
BUCKSKIN BUFF	155 lb/ft ³	3.72%	14,313 psi	889.4 psi
OHIO FIELDSTONE	166 lb/ft ³	0.568%	12,282 psi	1,150.7 psi
OHIO RED SANDSTONE	132 lb/ft ³	6.58%	7,224 psi	1,524.2 psi
GRAY GORGE & GRAY GORGE TAN	169 lb/ft ³	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/ft³

SPECIFIC GRAVITY: 2.592

ABSORPTION: 0.59%



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» 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 ThinCutTM only

SPECIFICATIONS:

ASTM C 97

DENSITY: 142.8 lb/ft³

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 ThinCutTM 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 ThinCutTM 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%
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*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
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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%
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*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 & ThinCutTM

SPECIFICATIONS:

ASTM C 97

DENSITY: 154.6 lb/ft³

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/ft³

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[™]

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/ft³

SSD DENSITY: 145.8 lbs/ft³

APPERENT DENSITY: 156.7 lbs/ft³

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[™] cannot exceed 10.5" heights)

Available in Full Veneer & ThinCut[™]

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 & ThinCutTM

SPECIFICATIONS:

ASTM C 97

DENSITY: 166.5 lb/ft³

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™

SPECIFICATIONS:

ASTM C 568

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/ft³

SSD DENSITY: 140.8 lbs/ft³

APPERENT DENSITY: 158.4 lbs/ft³

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 & ThinCutTM

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/in² 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 & ThinCutTM

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/in²

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 ThinCutTM veneer.

FEATURES:

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

Available in ThinCutTM

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 & ThinCutTM

SPECIFICATIONS:

ASTM C 97

DENSITY: 135.61 lb/ft³

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" (ThinCutTM cannot exceed 10.5")
Random lengths from 10" to 30"

Available in Full Veneer & ThinCutTM

SPECIFICATIONS:

ASTM C 97

BULK SPECIFIC GRAVITY: 2.16
DENSITY: 134.6 lbs./ft³
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 ³	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
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ASTM C 170

COMPRESSIVE STRENGTH: 23,814 psi	CLASS III QUARTZITE	164.17 Mpa
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ASTM C 241

ABRASION RESISTANCE: 52.58	CLASS III QUARTZITE
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ASTM C 880

FLEXURAL STRENGTH:	Perpendicular: 3,065 psi	Parallel: 21.13 Mpa
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X-RAY DIFFRACTION MINERALOGICAL ANALYSIS

FREE SILICA CONTENT: 93%	CLASS II QUARTZITIC SANDSTONE
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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 ³	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
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ASTM C 170

COMPRESSIVE STRENGTH: 23,814 psi	CLASS III QUARTZITE	164.17 Mpa
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ASTM C 241

ABRASION RESISTANCE: 52.58	CLASS III QUARTZITE
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ASTM C 880

FLEXURAL STRENGTH:	Perpendicular: 3,065 psi	Parallel: 21.13 Mpa
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X-RAY DIFFRACTION MINERALOGICAL ANALYSIS

FREE SILICA CONTENT: 93%	CLASS II QUARTZITIC SANDSTONE
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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 & ThinCutTM

SPECIFICATIONS:

ASTM C 97

BULK SPECIFIC GRAVITY: 2.387

CLASS II QUARTZITIC SANDSTONE

DENSITY: 155.34 lbs./ft³

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

