Why Echelon?

For generations, Oldcastle® has been North America’s leading manufacturer of building products and materials, establishing ourself as an industry leader and dedicated partner who successfully completes projects from beginning to end. Now Oldcastle embarks on a new journey to consolidate our many masonry products, services and expertise into the single brand of Echelon™, providing the masonry industry with a singular go-to source and reliable partner.

Industry Innovators

Echelon is dedicated to meeting the ever-changing needs of the construction industry by investing millions of dollars annually in the research and development of new and innovative products.

This unceasing pursuit of excellence has culminated in a comprehensive range of structural masonry products including premium architectural block, customizable concrete masonry units, full depth and lightweight veneers and high performance wall systems.

Echelon offers the industry’s most complete BIM-ready library of design assets. For free access to thousands of REVIT files, visit our website or BIMSmith.com/Echelon.
National Presence
With over 150 locations and a company culture characterized by a commitment to customer satisfaction, Echelon adheres to a level of service and consistency that no other brand can match. Our combination of local market presence and national capabilities allows us to meet and exceed the demanding needs of an ever-changing industry.

Echelon Masonry represents the future of our industry – sustainable, high-end solutions that meet ever-evolving building codes while delivering stunning aesthetics for modern design. —Joey Peters
SENIOR BRAND MANAGER

Regional Services
Our local companies maintain the confidence of builders, architects and consumers through our innovative technology, premium architectural building products, committed service and on-time deliveries. We are dedicated and continually striving to meet and exceed the needs of all our customers. Let our dedicated team provide the right solution for your next project.
Table of Contents

As the leader for modern masonry solutions, Echelon products can be utilized with a suite of Wall Systems that deliver a variety of benefits including energy efficiency, speed of installation and moisture control. Look for these icons on product pages to see which are compatible with a given system.
Trenwyth Architectural Masonry block provides ultimate design flexibility with a wide range of colors, shapes, sizes & finishes. Trenwyth’s reputation for excellence in quality & innovation are unmatched and Trenwyth CMUs are mold & moisture resistant and virtually maintenance free.

**PRODUCTS**

- Astra-Glaze-SW+® 08
- Cordova Stone™ 12
- Franklin Stone™ 16
- Mesastone® 20
- Monumental 24
- Trendstone® 26
- Trendstone Plus® 30
- Verastone® & Verastone® Plus 34
Pre-faced architectural units with a thermoset glazing compound permanently molded to one or more faces.

Glazed face units are perfect for many commercial, retail, institutional and industrial applications with their impervious surface, flexible design options, and recycled content. Astra-Glaze-SW+ glazed units are pre-faced architectural concrete masonry blocks with a thermoset glazing compound permanently molded on one or more faces. This glazing compound is cured and heat-treated in gas-fired tunnel kilns, thus becoming an integral part of the unit. The glazed facings are molded in individual molds, ensuring dimensional uniformity regardless of minor variations in the block.
Colors & Textures

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Cordova Stone™
Upscale aesthetic in an economical architectural block option.

Cordova Stone high-density, pre-finished architectural concrete masonry unit achieves the look of natural stone by incorporating all-natural aggregates and recycled content to deliver the prestigious appearance that has remained a desired look for centuries.

**Select Shapes & Sizes**

Using state-of-the-art equipment, Echelon can customize standard units to fit your special design needs. Inquire about the endless ways that Cordova Stone can bring your design concept together, including archway pieces, coping units and sill pieces.

**Block Sizes**

- 4” x 8” x 12”
- 4” x 16” x 12”
- 4” x 16” x 16”
- 4” x 4” x 24”
- 4” x 8” x 24”
- 4” x 12” x 24”
- 4” x 16” x 24”
- 6” x 6” x 24”
- 6” x 8” x 24”
- 6” x 12” x 24”
- 6” x 15” x 24”
- 6” x 4” x 48”
- 8” x 4” x 48”
- 8” x 8” x 24”
- 16” x 4” x 48”

**NEW LONGER SIZES**

Less mortar joints means reduced labor costs and less chance of water infiltration. These units are machine made and can be cut to your specifications.

---

**Colors & Textures**

**EARTH BLEND**

- Canyon Blend
- Desert Blend
- Mountain Blend
- Woodland Blend

**NATURAL**

- Buff
- Limestone
- Alabaster
- Graphite
- Midnight*

---

All color samples are representative only. For accurate color selection, ask your sales representative for samples.

*Product enhanced with sealer to achieve darker color.
High Polished TRENDSTONE
Create a smooth terrazzo finish.

Change the aesthetics of your next project by adding Oldcastle’s filled and polished or high polished option to your architectural block or CMU. This performance upgrade option allows you to maintain all the benefits of a pre-finished architectural concrete masonry unit—one step installation, maintenance-free and easy-to-clean—but with the look of a smooth terrazzo finish!

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Cast stone architectural block emulating the look of natural limestone.

Whether you prefer a smooth texture or a bold chiseled face, Franklin Stone is the ideal product for the look of cast stone with modern manufactured masonry advantages. Made from a mixture of white Portland cement and combined with fine aggregates, Franklin Stone is a highly dense product with a texture similar to natural limestone. And unlike other masonry units, the aggregates do not show, giving Franklin Stone its consistent, natural finish.

Select Shapes & Sizes

**Veneer Units**
- 4 x 4 x 24
- 4 x 6 x 24
- 4 x 12 x 24
- 4 x 16 x 24

**Flat Sill Units**
- 5 x 2 1/4
- 5 x 3
- 5 x 4
- 6 x 4
- 7 x 4

**Sloped Sill Units**
- 6 x 4 Chanfer
- 8 x 4
- 5 x 5
- 7 x 8

**Texture Face**

**Smooth Face**

**Rock Face**

**Chisel Face**

All units available in smooth, rock face or chisel face finishes. Drip cuts available.
*Sill units are available in 36" or 48" lengths*

Colors & Textures

<table>
<thead>
<tr>
<th>Congress Tan</th>
<th>Liberty Gray</th>
<th>Monument White</th>
<th>Senate Sage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth Face</td>
<td>Smooth Face</td>
<td>Smooth Face</td>
<td>Smooth Face</td>
</tr>
<tr>
<td>Rock Face</td>
<td>Rock Face</td>
<td>Rock Face</td>
<td>Rock Face</td>
</tr>
<tr>
<td>Texture Face</td>
<td>Texture Face</td>
<td>Texture Face</td>
<td>Texture Face</td>
</tr>
</tbody>
</table>

*All units available in smooth, rock face or chisel face finishes. Drip cuts available. Sill units are available in 36” or 48” lengths*
Franklin Stone™
COPING UNITS

Franklin Stone masonry products offer custom shapes to accent all building styles, including both commercial and residential projects. From the base, at or below grade, watertables, sills, medallions, quoins, banding cornice all the way up to coping. Franklin Stone is the choice of architects across the country.

Note: All sizes are nominal. Actual sizes less 3/8”.
* Standard peaks are 1/2” or 1” higher than edge of heights. If required, peaks can be up to 2” higher.
Flashing of Masonry Work
Install flashing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices. Install weep holes and vents at proper intervals (32” or 24” O.C. depending on unit length, above bed joint) at courses above grade, above flashing and at any water stops over windows, doors and beams. Consult NCMA TEK 5-1B “Concrete Masonry Veneer Details” for proper detailing information.

Control Joints
Control joints should be placed at no greater than 20’ O.C. Locate 2’-4’ from corners, at side of windows/openings, at wall height changes, inside corners and at piers or columns. For more information on control joints, consult NCMA TEK 10-4 “Crack Control for Concrete Brick and Other Concrete Masonry Veneers”.

Arches and Headers
Arch details over windows and openings tend to give a rich end element to your project. These come in many shapes and sizes that can be customized to fit the look that you are trying to achieve.

Horizontal Joint Reinforcing
Horizontal joint reinforcing should be used every 16” O.C. vertically as described in NCMA TEK 12-2B and TEK 10-4. When using oversized units 12” or 16” tall, install in every course. This will greatly reduce or eliminate shrinkage or hairline movement cracks.

Weather Resistant
All units are made with an integral water repellent. This admixture is blended throughout the unit giving it outstanding water repellent characteristics. Not only does it not allow moisture into the wall but it also protects against efflorescence.

Mortar
Use Type N mortar for all veneer applications. Type S is too strong and may cause shrinkage cracks due to the high cement ratio. The use of an integral water repellant additive is recommended to help keep moisture out of the wall. Rake and caulk all window sills and coping head joints.

Applications
Franklin Stone offers custom shapes to accent all building styles, including both commercial and residential projects. From the base, at or below grade, watertables, sills, medallions, quoins, banding cornice all the way up to coping, Franklin Stone is the choice of architects all across the country.
Picture above is a mix of Trendstone and Mesastone
Pre-finished architectural block with an even texture.

Mesastone textured masonry units are pre-finished architectural concrete blocks made with special colored aggregates and pigment uniformly finished to an even texture. The Mesastone textured surface resembles split face block, but is more uniform, easier to lay-up and provides a straighter site line to the building.

Note: Not all sizes are shown in this brochure. Please consult your nearest manufacturing facility. Metric shapes & sizes are also available. All units are also available in Trendstone®, Trendstone Plus®, Verastone® and Verastone® Plus.

*Specify left or right. (Right shown)
Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Colors & Textures (Midwest)

Bradley  Midwest Group B
Natural MW  Midwest Group A
Butterfield IV  Midwest Group A
Elmhurst  Midwest Group A
Lincoln  Midwest Group A
Springfield  Midwest Group A
Sandstone III  Midwest Group A
Sterling  Midwest Group A
Red Bud  Midwest Group B
Oak  Midwest Group B
County Gray  Midwest Group B

Sequoia  Midwest Group C
Tawny  Midwest Group B
Limestone II  Midwest Group C
Bloomington  Midwest Group B
Jewelstone  Midwest Group C
Shadow Gray  Midwest Group C
Ash Charcoal  Midwest Group B
Sterling  Midwest Group A
Gray Marble  Midwest Group C
Light Karmel  Midwest Group C
Spice  Midwest Group C

Knight Gold  Midwest Group C
Gray Stone  Midwest Group B
Irish Cream  Midwest Group C
Oreo Cream  Midwest Group C
Red Brick M  Midwest Group C
Almond Bark  Midwest Group C
Haydite  Midwest Group C
Sundown  Midwest Group C
Aztec Tan  Midwest Group C
Baton Rouge  Midwest Group C
Gold Stone  Midwest Group C

Lasalle  Midwest Group A
Marengo  Midwest Group C
Sedalia  Midwest Group B
Belvidere  Midwest Group A
Light Brown  Midwest Group B
Colonial Red M  Midwest Group B
Midwest White  Midwest Group C
Chocolate  Midwest Group C
Irving Cream  Midwest Group C

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Monumental CMU
Create a grand impression on your next project.

Upgrade the look of your next project with Monumental overs- sized concrete masonry units available in Trenwyth® Verastone®, Verastone® Plus, Trendstone®, Trendstone Plus®, and Mesastone® finishes. These specialty sized concrete masonry units offer design flexibility to create large-scale walls, columns and arches of monumental proportions and unmatched aesthetics.

Shapes & Sizes

Keystone Unit
Keystone Arch Unit
Medallion Unit
Full Bullnose
Sculpted Sill
Water Table
Corbel Unit
Cornice Unit

135° Outside Corner
135° Inside Corner
Chamfer Unit
Scored Unit
Column Wrap
Cap Units

Note: Not all sizes are shown in this brochure. Please consult your nearest manufacturing facility. Metric shapes & sizes are also available.

*Specify left or right. (Right shown)
Pre-finished integrally colored with one or more faces ground.

Trendstone ground face masonry units are pre-finished, integrally colored concrete block with one or more faces ground to expose the variegated colors of the natural aggregates. A factory-applied clear satin gloss acrylic accentuates the natural beauty of the aggregates and provides moisture resistance.

Trendstone Chamfers

Chamfered corners minimize chipping and eliminate sharp corners. Not all chamfer designations are shown. Any side can be chamfered.

Note: Not all sizes are shown in this brochure. Please consult your nearest manufacturing facility. Metric shapes & sizes are also available. All units are also available in Mesastone®, Trendstone Plus®, Verastone® and Verastone® Plus. *Specify left or right. (Right shown)
Colors & Textures (East) *Produced in a polished face finish*

- Indian Summer, Eastern Group B
- Butterscotch, Eastern Group C
- Forest Brown, Eastern Group C
- Quarry Buff, Eastern Group C
- Winter White, Eastern Group C
- Ravenstone, Eastern Group A
- Manchester, Eastern Group A
- Natural MW, Eastern Group A
- Delmarva, Eastern Group A
- Williamsburg Grey, Eastern Group A
- Natural, Eastern Group A
- Fawn, Eastern Group C
- Rutherford Grey, Eastern Group B
- Alamo, Eastern Group C
- Wine, Eastern Group B
- Greystone, Eastern Group B
- Carson Brown, Eastern Group B
- Ashland, Eastern Group C
- Andover, Eastern Group A
- Madison, Eastern Group B
- Hawthorne, Eastern Group B
- Burford Brown, Eastern Group B
- Plum, Eastern Group C
- Cambridge, Eastern Group C
- Ramapo White, Eastern Group C
- Colonial Red, Eastern Group C
- Pembroke, Eastern Group C
- Canyon Stone, Eastern Group C
- Fairfield, Eastern Group C
- Gunsmoke, Eastern Group C
- Temple Grey, Eastern Group C
- Dover Grey, Eastern Group B
- Canterbury, Eastern Group A
- Windermere, Eastern Group A
- Terra Cotta, Eastern Group C
- Shannon, Eastern Group D
- Valley Green, Eastern Group D
- Hampton Green, Eastern Group E

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Colors & Textures (Midwest)

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Trendstone Plus®
**Pre-finished integrally colored with a smooth terrazzo finish.**

Trendstone Plus filled and polished ground face masonry units have all the features of Trendstone with the additional benefit of a smooth terrazzo finish. Trendstone Plus are pre-finished, integrally colored concrete blocks with a maintenance free finish that is easy to clean.

**Trendstone Plus Chamfers**
Chamfered corners minimize chipping and eliminate sharp corners.
Not all chamfer designations are shown. Any side can be chamfered.

*Note: Not all sizes are shown in this brochure. Please consult your nearest manufacturing facility. Metric shapes & sizes are also available. All units are also available in Mesastone®, Trendstone®, Verastone® and Verastone® Plus.
*Specify left or right. (Right shown)
Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
### Trendstone Plus® Midwest Colors

<table>
<thead>
<tr>
<th>Color</th>
<th>Midwest Group</th>
<th>Color</th>
<th>Midwest Group</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>Bradley</td>
<td>Midwest Group B</td>
<td>Natural MW</td>
<td>Midwest Group A</td>
<td>Elmhurst</td>
<td>Midwest Group A</td>
<td>Lincoln</td>
<td>Midwest Group A</td>
</tr>
<tr>
<td>Flower</td>
<td>Midwest Group C</td>
<td>Tawny</td>
<td>Midwest Group B</td>
<td>Limestone II</td>
<td>Midwest Group C</td>
<td>Bloomington</td>
<td>Midwest Group B</td>
</tr>
<tr>
<td>Knight Gold</td>
<td>Midwest Group C</td>
<td>Gray Stone</td>
<td>Midwest Group B</td>
<td>Irish Cream</td>
<td>Midwest Group C</td>
<td>Oreo Cream</td>
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<tr>
<td>Lasalle</td>
<td>Midwest Group A</td>
<td>Marengo</td>
<td>Midwest Group C</td>
<td>Belvidere</td>
<td>Midwest Group A</td>
<td>Light Brown</td>
<td>Midwest Group B</td>
</tr>
</tbody>
</table>
Recycled ground face units provide a sustainable masonry solution.

Verastone is one of the original masonry units we created using recycled material that can contribute toward your project’s LEED goals. Verastone units are a natural solution providing your project with high-performance Green Building design and application flexibility and are available in ground or textured surface finishes.

Verastone Chamfers
Chamfered corners minimize chipping and eliminate sharp corners. Not all chamfer designations are shown. Any side can be chamfered.

Shapes & Sizes

Verastone is one of the original masonry units we created using recycled material that can contribute toward your project’s LEED goals. Verastone units are a natural solution providing your project with high-performance Green Building design and application flexibility and are available in ground or textured surface finishes.

Verastone Chamfers
Chamfered corners minimize chipping and eliminate sharp corners. Not all chamfer designations are shown. Any side can be chamfered.

Shapes & Sizes

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Verastone Chamfers
Chamfered corners minimize chipping and eliminate sharp corners. Not all chamfer designations are shown. Any side can be chamfered.

Shapes & Sizes

Note: Not all sizes are shown in this brochure. Please consult your nearest manufacturing facility. Metric shapes & sizes are also available. All units are also available in Mesastone®, Trendstone® and Trendstone Plus®.

*Specify left or right. (Right shown)
## Colors & Textures (East)

<table>
<thead>
<tr>
<th>Verastone &amp; Verastone Plus</th>
<th>Chablis</th>
<th>Vintage</th>
<th>Rhine Grey</th>
<th>Palomino</th>
<th>Chianti</th>
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</thead>
<tbody>
<tr>
<td>Verastone Textured</td>
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</tbody>
</table>

## Colors & Textures (Midwest)

<table>
<thead>
<tr>
<th>Verastone &amp; Verastone Plus</th>
<th>Chardonnay</th>
<th>Superior</th>
<th>Austin</th>
<th>Toffee</th>
<th>Old Country</th>
<th>Cambria</th>
<th>Fossil Reef</th>
<th>Cabernet</th>
<th>Shiraz</th>
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<tbody>
<tr>
<td>Verastone Textured</td>
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</tr>
</tbody>
</table>

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Wall Systems

Enhance the performance of your next project with our selection of performance upgrade options. From perfecting aesthetics to increased energy efficiency and noise reduction, explore our options to take your project to the next level.

PRODUCTS
- InsulTech™  40
- EnduraMax®  44
- Acousta-Wal®  48
- RainBloc®  50
100% Thermally broken insulated masonry system.

InsulTech is a complete thermally broken insulated masonry system which includes a full system of masonry units with a multitude of color and texture options for aesthetic needs. This complete masonry system offers high thermal efficiency in an innovative design combining a pre-assembled structural masonry unit, molded EPS insulation insert and thin veneer face. Insultech provides design flexibility, installation efficiency and is available in both standard finishes, as well as Trenwyth® architectural block colors and textures.

Shapes and Sizes

IAPMO Building Evaluation Report #420
www.iapmo.org
Shapes and Sizes (continued)

Closed End Stretcher Unit
Open End Stretcher Unit
Double Sash Unit
Half Sash Unit - Left/Right
Corner Block Unit
Left/Right for First Row

Left Hand L-Corner Unit
Left Hand Corner Continuation Unit
Right Hand L-Corner Unit
Right Hand Corner Continuation Unit
Left Hand L-Corner Unit Face With Profiled Insert For First Row
Right Hand L-Corner Unit Face With Profiled Insert For First Row

16” Face With Profiled Insert For First Row and Bond Beam
InsulTech Foam Insert
Stretcher Unit for First Row
8” Bond Beam Unit
Horizontal Gasket
**Colors & Finishes** *(additional colors available)*

<table>
<thead>
<tr>
<th>Mesastone®</th>
<th>Trendstone®</th>
<th>Trendstone Plus®</th>
<th>Blended Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elmhurst</td>
<td>Sand Stone</td>
<td>Midwest White</td>
<td>Coppertone</td>
</tr>
<tr>
<td>Butterfield</td>
<td>Shadow Gray</td>
<td>Ash Charcoal</td>
<td>Boston Blend</td>
</tr>
<tr>
<td>Bloomington</td>
<td>Coral</td>
<td>Light Karmel</td>
<td>Promenade Blend</td>
</tr>
<tr>
<td>Belvedere</td>
<td>Elmhurst</td>
<td>Rocky Road</td>
<td>Richfield Blend</td>
</tr>
</tbody>
</table>

Quik Brik can also be produced in Insultech

Ask your Echelon representative about additional color options.

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
EnduraMax®
**Acoustics, Energy Efficiency & Moisture Management**

Every component of the EnduraMax High Performance Wall System is specifically engineered to work together, forming a total cladding solution that adds superior energy performance. This extra layer of thermal protection means building owners can benefit from a cladding system that helps meet and exceed today’s demanding energy codes.

**Meeting A Higher Standard**

EnduraMax’s continuous insulation barrier is an ideal way to meet Energy Star’s strict energy performance score requirements. Its superior thermal performance will contribute to eligibility for a Designed to Earn the Energy Star (DEES) certification. With the help of EnduraMax, you can truly distinguish a building by being able to meet this prestigious standard for efficiency.

**Moisture Management**

As a total cladding solution, EnduraMax integrates all components necessary to achieve superior moisture management*. Channels in the front and back drain any water that may infiltrate the wall, protecting the structure.

*based on independent tests

**Sound Proofing**

The foam panels have an STC rating of 51* – meaning even extremely loud sounds such as a stereo, lawn mower or traffic are only faintly heard.

**Wind Rating**

EnduraMax is tough enough to withstand the harshest environments. It’s been proven to resist wind speeds of more than 110 mph (ASTM E330) with no lasting deformation.

**Fire Resistance**

EnduraMax meets NFPA 285 and ASTM E119 fire resistance criteria. Tested walls successfully withstood one hour of exposure to temperatures of more than 1,700°F.

**A System Approach**

EnduraMax consists of three essential elements that combine to deliver unmatched performance & beauty to your project.

1. **Foam Installation Panels**
   - Polystyrene insulation panels include premolded cells on the outside face, which form the pattern for installing masonry units.
   - Drainage channels in the front and back of each panel allow any water that infiltrates the wall to escape.

2. **Masonry Units**
   - Masonry units insert easily into the cells of the foam panels for quick installation
   - Stone, clay and concrete brick options offer endless unique aesthetically pleasing designs.

3. **EnduraMax Mortar**
   - A modified Type-S mortar with additives enhances pumpability, bond strength, adhesion, flexibility, and dimensional stability.

Consult with your Echelon Representative for more information.

IAPMO Building Evaluation Report #315  
www.iapmo.org

Specially designed anchors affix the masonry and mortar solidly to the wood, steel or concrete masonry structure of a building.
Exceeding Tomorrow’s Codes

As codes continue to move toward tougher building envelope standards, this superior thermal performance enables you to exceed increasingly stringent R-Value requirements, without having to add additional exterior insulation or build larger wall cavities.

Without EnduraMax®, wood frame buildings in certain regions may have to utilize 2x6 wall construction to accommodate increasing insulation demands. But EnduraMax’s continuous insulation barrier allows continued use of 2x4 wall construction while still surpassing tougher codes.¹

A Smarter Masonry

A high-performance exterior is critical to a building’s overall efficiency. According to the U.S. Department of Energy, heating and cooling systems account for nearly 28% of total energy use in commercial buildings. The EnduraMax system helps significantly reduce this energy loss. It outperforms other cladding options with an unmatched R13.6 thermal barrier¹ – saving energy and operating costs, while enhancing interior comfort.

### EnduraMax Performance Upgrade Options

The EnduraMax Wall System is a performance upgrade option that may be paired with a number of Echelon™ Masonry products to provide the aesthetics desired. Pair EnduraMax with the following Echelon product lines as well as Morency Stone Veneers and Clay Brick.

<table>
<thead>
<tr>
<th>Cladding</th>
<th>R-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EnduraMax</td>
<td>13.6 thermal mass</td>
</tr>
<tr>
<td>9.1 steady state</td>
<td></td>
</tr>
<tr>
<td>Stone 4”²</td>
<td>.32</td>
</tr>
<tr>
<td>Brick 4”³</td>
<td>.44</td>
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<tr>
<td>Fiber Cement Siding⁴</td>
<td>.19</td>
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<tr>
<td>Vinyl Siding</td>
<td>.61</td>
</tr>
<tr>
<td>Insulated Vinyl Siding⁵</td>
<td>2.00 - 2.70</td>
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<tr>
<td>Rigid Foam Insulation</td>
<td>2.50 - 5.00</td>
</tr>
</tbody>
</table>

Sources: ASHRAE Handbook of Fundamentals, ColoradoENERGY.org and Vinyl Siding Institute, Inc.

¹An independently conducted ASTM C1363-05 Thermal Performance Test determined the Effective R-Value of the EnduraMax System as R13.6 (R9.1 steady state), taking into consideration the thermal mass benefits of all system components.

²Assumes R-Value of .08 per inch.
³Assumes R-Value of .11 per inch.
⁴Assumes R-Value of 0.44 per inch.
⁵U.S. Department of Energy: Residential provisions of the 2012 IECC.
Colors & Textures

ENDURAMAX® MORENCY STONE

Aurora
Piedmont
Pamlico
Richland

ENDURAMAX® QUIK BRIK®

Autumn Flashed
Marous Flashed
Earthtone Flashed
Wilkesboro Flashed
Heritage Flashed
Sandalwood Flashed
Promenade Flashed
Richfield Flashed

ENDURAMAX® LAMINA

Avondale
London Gray
Shelby Blend

ENDURAMAX® PALMETTO BRICK

Carolina Cream
Cherry
Cinnamon
Cool Grey
Nutmeg
Dawn Gray

Note: All color samples are representative only. EnduraMax Morency Stone and Clay Brick colors are regional. Please ask your Echelon architectural representative for samples.
Acousta-Wal®
**Provides indoor and outdoor acoustic solutions.**

Acousta-Wal is a performance upgrade option which may be added to a number of our structural concrete masonry units. It has a closed top and vertical slots on its face, exposing the inner cavity. Working much like an automobile muffler, the closed-end cavities of the different size units resonate to sound waves of different frequencies, converting them harmlessly to heat.

**Acousta-Wal Noise Reduction Coefficients**

<table>
<thead>
<tr>
<th>Size</th>
<th>Type</th>
<th>Surface</th>
<th>Frequency (Hz)</th>
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<tr>
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<td>6&quot;</td>
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<td>Painted</td>
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<td>1.23</td>
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<td>Painted</td>
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<td>.78</td>
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<tr>
<td>10&quot;</td>
<td>IVRF</td>
<td>Painted</td>
<td>.32</td>
<td>.78</td>
</tr>
<tr>
<td>12&quot;</td>
<td>IVRF</td>
<td>Painted</td>
<td>.31</td>
<td>1.23</td>
</tr>
</tbody>
</table>

Acoustics vary with such dynamics as room size, flooring type, window treatments and seating materials. The approach to this analysis depends on if you’re trying to dampen sound within the room or trying to unit sound from an adjacent area.

*Contact your local sales representative to request an engineered acoustical study.*
RainBloc®
The complete water repellent system.

Quality control. Integrated and ready-to-use. With RainBloc, you don’t have to question whether the job was done right. Computerized factory batching of the water repellent agents in both the block and the mortar means no user error — delivering a level of precision you can trust and better end results for your project.

**HOW IT WORKS**

RainBloc patented water repellent technology is a two-part system that is integrated into both the block and mortar, creating a continuous protection system that’s delivered to your site, ready to go.

**ECHELON™ CMUS WITH RAINBLOC**

RainBloc technology is added to each CMU during the manufacturing process, assuring moisture resistance is an integral part of the block—so it won’t chip, wash or wear off for the life of the product. RainBloc bonds to the capillary pores of the cured material to inhibit moisture from migrating through the block. Instead, moisture drains toward flashing and weep holes. RainBloc can be integrated into Echelon’s complete offering of CMUs, including Trenwyth® Masonry Block and Quik Brik® Masonry Unit

**AMERIMIX® MORTAR WITH RAINBLOC GP**

RainBloc GP is audited, measured and factory blended to assure a consistent water repellent mortar. It meets or exceeds all upload requirements of ASTM C1384: Standard Specification for Admixtures for Masonry Mortars and is available in 80 lb. or 1,000 lb. bulk bags (to be used with the Amerimix Silo Dispensing System).

**CONFIDENCE FROM DAY ONE**

RainBloc GP Traceable Technology assures your project is “installed as specified.” RainBloc GP from Amerimix is the only mortar solution that offers a patented formulation with a tracer component, allowing you to easily verify that the mortar you spec is the mortar that’s used—even after the mortar has hardened—helping assure total quality compliance. It’s added peace of mind for both architects and building owners, and only Amerimix offers it.

See page 74 for more information on Amerimix products.
Utilizing quality materials and innovative manufacturing techniques, we have transformed and crafted the future of manufactured stone veneers. Artisan Masonry Stone Veneers provide unmatched beauty paired with design freedom, ease of installation, and durability that will last the life of your next project.

PRODUCTS

Cordova Stone™  54
Franklin Stone™  56
Hillcrest™ Stone  58
Kensley™ Stone  60
Lamina® Stone  62
Mondrian Stone®  64
Waterford Stone®  66
Delivering an economical option for a prestigious aesthetic.

From top to bottom, Cordova Stone can economically supply you with the look and feel of natural limestone. Cordova Stone 1-inch veneer is custom made with the look of natural stone and aggregate color consistent throughout the unit. This high-quality masonry product adds beauty and elegance to any project and gives you all the benefits of a modern masonry veneer.

Colors & Textures

EARTH BLEND

- Canyon Blend
- Desert Blend
- Mountain Blend
- Woodland Blend

NATURAL

- Buff
- Limestone
- Alabaster
- Graphite
- Midnight*

Ground Face

Rock Face

Texture Face

Chisel Face

* Product enhanced with sealer to achieve darker color

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.

See Page 83 for additional technical information
**Cast stone masonry emulating the look of natural limestone.**

Whether you prefer smooth texture and clean lines, or a bold chiseled face, Franklin Stone combines the look of cast stone with manufactured masonry veneer’s modern advantages. Franklin Stone is made from a mixture of white Portland cement combined with fine aggregates, resulting in a highly dense product with a natural limestone texture.

See Page 83 for additional technical information
Lightweight veneer option with unmatched aesthetics

Hillcrest Stone is the newest innovation to the Artisan Masonry Stone Veneers® line. Boasting an aesthetic and modular system that emulates stacked stone, Hillcrest is designed to fit with tight dimensional tolerance which reduces installation time. This new lightweight offering gives even more options to maximize aesthetics and performance while minimizing installation time and cost.

Colors & Textures

Shapes & Sizes

See Page 83 for additional technical information

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
**Lightweight veneer option with a new texture & upscale look.**

Kensley Stone is the newest thin veneer to be added to the Artisan Masonry Stone Veneers® family of products. Boasting a traditional ashlar pattern with a 3/8” mortar joint, Kensley Stone is designed to reflect the timeless aesthetics of natural limestone look while minimizing install time and cost.

**Colors & Textures**

![Pewter](image1.png)  ![Avondale](image2.png)

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.

**Shapes & Sizes**

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>6&quot;</th>
<th>8&quot;</th>
<th>10&quot;</th>
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<td>HEIGHT</td>
<td>4</td>
<td>6</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Stone face heights are nominal based on a mortar joint width of 3/8"

[ T H I C K N E S S ]  1½"  1½"

See Page 83 for additional technical information
Distinct stack stone appearance providing ease of installation.

Lamina Stone emulates a stacked stone appearance and makes a bold statement. This multi-length stone offers a lot of benefits due to its unique installation and design. The original texture and color choices bring out the best in every project. Lamina may be used on the entire façade or just to accentuate certain architectural elements such as wall sections or skirting.

Laying Patterns

Lamina is a truly modular system and is easily adapted to suit the taste of the most discerning owners. By varying the ratio of solid jumper units, you can alter the pattern to best suit your individual style.

Shapes & Sizes

FALSE JOINT UNITS

0% Solid Jumper Ratio

20% Solid Jumper Ratio

50% Solid Jumper Ratio

See Page 83 for additional technical information

Colors & Textures

Avondale

Special Order Highlands

Special Order Antique Ivory

Pewter

Shapes & Sizes

SOLID UNITS

3½” W x 3⅜” H x 11⅛” L

3½” W x 3⅜” H x 15⅜” L

3½” W x 3⅜” H x 19⅜” L

3½” W x 3⅜” H x 7⅜” L

3½” W x 3⅜” H x 15⅛” L

3½” W x 3⅜” H x 19⅛” L

3½” W x 3⅜” H x 11⅛” L
Mondrian®
Stone
A cutting-edge style with an attractive texture

This new innovative generation of stone will add prestige and distinction to your design. Its texture, defined edges, slightly chiseled surfaces and slender forms provide a modern look. It can be installed in linear or modular patterns and blends perfectly with existing sheathing as an accent or can be used for a primary design note.

Shapes & Sizes

Colors & Textures

Pearl
Avondale
Highlands
Pewter
Diverse array of sizes for ultimate design flexibility.

Waterford Stone evokes the natural, time-honed look of hand-cut stone with its antiqued edges and textured face while featuring the modern benefits of a manufactured masonry veneer. Waterford grants unparalleled design flexibility with its diverse array of sizes and colors, employing Oldcastle’s unique multiple color blending system that will last the life of your project.

Laying Patterns

Waterford Stone is a truly modular system and is easily adapted to suit any owner’s taste. By varying the ratio of 11½” large stones, you can alter the pattern to best suit your individual style.

Shapes & Sizes

Stones of 4” and 7” height are shipped on the same pallet, and the 11½” height is shipped on a corresponding pallet. Stone face dimensions are nominal and include a variable joint width from 3/8” to 3/4”.

Colors & Textures

Avondale
Highlands
Antique Ivory
Pewter

See Page 83 for additional technical information
Our line of Cordova Stone Accessories provides the perfect finishing touch for projects utilizing Artisan Masonry Stone Veneer® products. The line includes transitional sills, trim stone and a keystone made from high quality Cordova Stone, giving your next project an economical option for a high end aesthetic.

**Product enhanced with sealer to achieve darker color**

**Sill narrows down to 2 3/16” height at front.**

---

<table>
<thead>
<tr>
<th></th>
<th>Buff</th>
<th>Limestone</th>
<th>Midnight**</th>
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<tbody>
<tr>
<td><strong>Ground Face</strong></td>
<td><img src="image" alt="Ground Face Buff" /></td>
<td><img src="image" alt="Ground Face Limestone" /></td>
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<td><strong>Rock Face</strong></td>
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<td><img src="image" alt="Rock Face Limestone" /></td>
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<td><strong>Smooth</strong></td>
<td><img src="image" alt="Smooth Buff" /></td>
<td><img src="image" alt="Smooth Limestone" /></td>
<td><img src="image" alt="Smooth Midnight" /></td>
</tr>
</tbody>
</table>

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2” D x 8” H x 6” L
Trim Stone*

2” D x 10” H x 6’/5/16” L
Keystone*

3” D x 3’/23/64” H x 23 5/8” L
Sloped Sill*
Quik Brik is a durable and efficient with the rich look of brick in a variety of colors and shades. Physical performance, usability, and cost effectiveness have earned Quik Brik its unrivaled reputation for lasting value among architects and contractors alike. Whether a project is large or small in scale, you’ll find Quik Brik is the intelligent choice for exterior masonry.

PRODUCTS
Quik Brik® Traditional 72
High quality, single-wythe masonry with color options.

When national retailers require a quality product that meets their time and budget constraints without sacrificing aesthetics or durability, they turn to Quik Brik. Architects & builders choose Quik Brik time & time again for it’s first rate appearance and history of dependability.

Features & Benefits

- Indoor air quality
- Above & beyond code
- Sound transmission
- Compressive strengths
- Handles the elements
- Fire Ratings
- Thermal performance
- Energy efficient

STANDARD SIZES

<p>| | |</p>
<table>
<thead>
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<tr>
<td>H</td>
<td>L</td>
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<tr>
<td>D</td>
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<tr>
<td>4&quot;D</td>
<td>4&quot;H</td>
</tr>
<tr>
<td>16&quot;L</td>
<td></td>
</tr>
<tr>
<td>8&quot;D</td>
<td>4&quot;H</td>
</tr>
<tr>
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<tr>
<td>12&quot;D</td>
<td>4&quot;H</td>
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<tr>
<td>16&quot;L</td>
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</table>

SIZES COMPATIBLE WITH ENDURAMAX® SYSTEM

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>H</td>
<td>L</td>
</tr>
<tr>
<td>D</td>
<td></td>
</tr>
<tr>
<td>13/4&quot;D</td>
<td>23/4&quot;H</td>
</tr>
<tr>
<td>16&quot;L</td>
<td></td>
</tr>
<tr>
<td>13/4&quot;D</td>
<td>4&quot;H</td>
</tr>
<tr>
<td>16&quot;L</td>
<td></td>
</tr>
</tbody>
</table>

Note: Engineer with score.

Colors & Textures

TRADITIONAL - NATIONAL FLASHED COLORS

- Autumn Flashed
- Marous Flashed
- Earthone Flashed
- Wilkesboro Flashed
- Heritage Flashed
- Sandalwood Flashed
- Promenade Flashed
- Richfield Flashed

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Pre-blended Mortar, Grout & Stucco

Amerimix has been producing high quality products for almost 20 years. Our driving principal, to manufacture high-performing products that take the risk and guesswork out of jobsite mixing, is based on a process that combines formula development in our state-of-the-art laboratory with hands-on feedback from masons on the job. This process combined with high quality raw materials and factory controlled blending guarantees top quality preblended products on every job.
15% Loss of Sand Piles Due to Weather Erosion

Roughly $2,000 Loss on a 100,000 block job

Why is it considered completely normal and expected to lose at least 15% of the sand pile (on a typical job) from weather erosion?

It’s not only wasteful. It’s unnecessary.

Stop Wasting Time
Mix 50% Faster with Pre-Blended Mortar

Cut Mixing Time in Half for Major Labor Savings

Save 14 Hours and $2,500 on an average job.

*Based on national average wage and a 100,000 block building.

1 BULK BAG
1 FIELD BATCH

*50% is for the full job, based on a 100,000 block job.

AMERIMIX® PRE-BLENDED BULK BAG THAN AN AVERAGE SAND PILE

Why is it considered completely normal and expected to lose at least 15% of the sand pile (on a typical job) from weather erosion?

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1 BULK BAG
1 FIELD BATCH

*50% is for the full job, based on a 100,000 block job.
Architectural Masonry is the evolvement of standard gray concrete block into an aesthetically pleasing masonry unit. These products can be used as a stand alone or in conjunction with other masonry materials. Our Architectural CMUs are combined with an integral water repellent, and come in a variety of colors and textures.

PRODUCTS

Greenline® CMU 79
Split Face 80
OneStep Building System 81
Concrete Masonry
Manufactured regionally and serviced locally.

Architectural CMUs provide a durable foundation and solution to commercial projects. Our CMUs are available in numerous finishes and colors to give architects and builders design versatility. Specific styles, colors and finishes are dependent on local availability. Most architectural CMUs are produced with integral water admixture to repel moisture and resist mold and pre-consumer recycled content may be added to help meet sustainable goals.

**Greenline® CMU**

Greenline 31 CMU and Greenline Recycling Program provide an innovative, environmentally friendly masonry system utilizing recycled content.

---

**Colors & Textures (Georgia)**

**EARTH TONES**

- Cinnamon
- Ebony
- Foggy Gray
- Plainstone
- Taupe

**RICH TONES**

- Chocolate
- Mocha

**WHITE TONES**

- Golden Wheat
- Light Cream
- Sandstone
- Shellstone
- Snow White
Split Face

Split Face masonry units are integrally colored pre-finished architectural concrete blocks with a beautiful, rough-hewn texture on one or more faces of the unit.

Also Available

Scored

Ask your Echelon representative for details.

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
OneStep Building System

The OneStep Building System combines the beauty of masonry, the strength of reinforced concrete and the energy efficiency of polystyrene insulation into a singular building product, which dramatically simplifies the construction process and reduces the environmental impact of high performance buildings.

SAFETY
Strength of reinforced cast in place concrete, four hour fire rating, withstands extreme wind loads, very high bullet & blast resistance.

ENERGY EFFICIENCY
Unique design creates total thermal break.

STRENGTH
A 12 inch OneStep wall can support over 300,000 pounds per LF.
Technical Information
**Lamina™ Stone**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum compressive strength</td>
<td>4,000 psi</td>
</tr>
<tr>
<td>Absorption Rate Average</td>
<td>6%</td>
</tr>
<tr>
<td>Minimum Density</td>
<td>120 lbs./cu. ft.</td>
</tr>
<tr>
<td>Solid units</td>
<td>3,150 lbs./90 sq ft</td>
</tr>
<tr>
<td>Simulated joint units</td>
<td>3,060 lbs./90 sq ft</td>
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</tbody>
</table>

ASTM C1634 - Specification for Solid Dry-cast, Concrete Facing Units – tests in accordance to ASTM C140

**Mondrian™ Stone**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum compressive strength</td>
<td>2000 psi</td>
</tr>
<tr>
<td>Maximum absorption by weight</td>
<td>13 lbs./cu. ft. (lb wt.)</td>
</tr>
<tr>
<td>Minimum weight</td>
<td>125 lbs./cu. ft. or greater</td>
</tr>
<tr>
<td>Solid units</td>
<td>3,150 lbs./90 sq ft</td>
</tr>
<tr>
<td>False joint units</td>
<td>3,060 lbs./90 sq ft</td>
</tr>
</tbody>
</table>

ASTM C90-14 Standard Specifications for Load Bearing Concrete Masonry Units

**Waterford Stone®**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Compressive Strength</td>
<td>4,000 psi</td>
</tr>
<tr>
<td>Absorption Rate Average</td>
<td>6%</td>
</tr>
<tr>
<td>Minimum Density</td>
<td>120 lbs./cu. ft.</td>
</tr>
<tr>
<td>6” &amp; 7” piece pallet weight</td>
<td>3,564 lbs./104.8 sq ft</td>
</tr>
<tr>
<td>11 1/8” piece pallet weight</td>
<td>3,496 lbs./92 sq ft</td>
</tr>
<tr>
<td>11 1/8” chiseled piece pallet weight</td>
<td>4,048 lbs./92 sq ft</td>
</tr>
</tbody>
</table>

ASTM C1634 - Specification for Solid Dry-cast, Concrete Facing Units – tests in accordance to ASTM C140.
ASTM C482 Shear Bond Strength, Type S mortar.
ASTM C482 Shear Bond Strength, Stone veneer mortar.
ASTM E84 Surface Burning Characteristics of Building Materials.

**Kensley™ Stone**

<table>
<thead>
<tr>
<th>Property</th>
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<tbody>
<tr>
<td>ASTM C170 Compressive Strength</td>
<td>Average 8,800 PSI</td>
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<tr>
<td>ASTM C1670 Absorption Rate</td>
<td>Average 6%</td>
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<tr>
<td>ASTM C666 Freeze Thaw Resistance</td>
<td>Mass loss less than 1%</td>
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<tr>
<td>ASTM C67 Freeze Thaw Resistance</td>
<td>Mass loss less than 1%</td>
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</table>

ASTM C482 Shear Bond Strength, Type S mortar.
ASTM C482 Shear Bond Strength, Stone veneer mortar.
ASTM E84 Surface Burning Characteristics of Building Materials.

**Hillcrest™ Stone**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>ASTM C170 Compressive Strength</td>
<td>Average 2,800 PSI</td>
</tr>
<tr>
<td>ASTM C1670 Absorption Rate</td>
<td>Average 6%</td>
</tr>
<tr>
<td>ASTM C666 Freeze Thaw Resistance</td>
<td>Mass loss less than 1%</td>
</tr>
<tr>
<td>ASTM C67 Freeze Thaw Resistance</td>
<td>Mass loss less than 1%</td>
</tr>
</tbody>
</table>

ASTM C482 Shear Bond Strength, Type S mortar.
ASTM C482 Shear Bond Strength, Stone veneer mortar.
ASTM E84 Surface Burning Characteristics of Building Materials.

**Cordova Stone™ 1-Inch**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive strength</td>
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<tr>
<td>Cold water absorption</td>
<td>Avg. 2.5%</td>
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<tr>
<td>Density</td>
<td>130 lbs./cu. ft. or greater</td>
</tr>
<tr>
<td>Solid units</td>
<td>3,150 lbs./90 sq ft</td>
</tr>
<tr>
<td>False joint units</td>
<td>3,060 lbs./90 sq ft</td>
</tr>
</tbody>
</table>

ASTM C90-11b - Standard Specification for Load Bearing Concrete Masonry Units.
ASTM C1364 - Standard Specification for cast stone veneer as listed in chart.

**Trenwyth® Collection**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integral Water Repellent and Integrally Colored*</td>
<td>125 lbs./cu. ft. or greater</td>
</tr>
</tbody>
</table>

*Does not apply to Franklin Stone and Cordova Stone

**Franklin Stone™ 1-Inch**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive strength</td>
<td>Avg. 8,000 psi</td>
</tr>
<tr>
<td>Cold water absorption</td>
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<td>Solid units</td>
<td>3,150 lbs./90 sq ft</td>
</tr>
<tr>
<td>False joint units</td>
<td>3,060 lbs./90 sq ft</td>
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</tbody>
</table>

ASTM C90-14 Standard Specifications for Load Bearing Concrete Masonry Units
ASTM C90-11b - Standard Specification for Load Bearing Concrete Masonry Units.
ASTM C1364 - Standard Specification for cast stone veneer as listed in chart.