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 unit, customizable concrete masonry units, full depth & lightweight veneers and high performance wall systems.
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.

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.

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
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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.
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Trenwyth Architectural Masonry unit 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⁺ 10
Cordova Stone™ 14
Cordova Stone™ 1-Inch 16
Cordova Stone™ Accessories 18
Franklin Stone™ 20
Franklin Stone™ Coping Units 22
Mesastone⁺ 24
Monumental CMU 28
Trendstone⁺ 30
Trendstone Plus⁺ 34
Verastone® & Verastone® Plus 38
Astra-Glaze-SW+®
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 units 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 unit.
Colors & Textures

<table>
<thead>
<tr>
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<td>Holly Green</td>
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<td>Coral Flower</td>
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<td>Dark Granite</td>
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<tr>
<td>Light Sienna</td>
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<tr>
<td>Sedona Clay</td>
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<td>Mahogany</td>
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<tr>
<td>Canella</td>
<td>18.3%</td>
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<td>Fire Engine Red</td>
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<tr>
<td>Banner Red</td>
<td>14.5%</td>
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<tr>
<td>Custom Blue</td>
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<td>Egg Shell</td>
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<td>Rich Blue</td>
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<tr>
<td>Diamond Blue</td>
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<td>Ocean Blue</td>
<td>21.5%</td>
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<td>Mallard Green</td>
<td>15.4%</td>
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<tr>
<td>Wild Mushroom</td>
<td>11.2%</td>
</tr>
<tr>
<td>Flint</td>
<td>8.2%</td>
</tr>
</tbody>
</table>

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Upscale aesthetic in an economical architectural unit 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.

**Unit 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"
- 16" x 4" x 48"

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

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

- **Natural**
  - Buff
  - Limestone
  - Alabaster
  - Graphite
  - Midnight

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

NEW LONGER SIZES

- Full Bullnose*
- Half Bullnose*
- Full Bullnose*
- Chamfer Top and End
- Sill Block*
- Bullnose End*
- Chamfer Top
- Coping Unit*
- Full Bullnose*
- Double Chamfer
- Pier Cap*
- 6" x 6" x 48 Sill*
- 8 x 3" x 24 Sill*
- 4 x 3" x 24 Sill
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

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

NATURAL

- Buff
- Limestone
- Alabaster
- Graphite
- Midnight

- Ground Face
- Rock Face
- Texture Face
- Chisel Face

1" D x 12" H x 24" L Veneer

See Page 97 for additional technical information
Our line of Cordova Stone Accessories provides the perfect finishing touch for projects utilizing Echelon™ 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.

Note: When product is sealed, the color becomes darker.

* Sill narrows down to 2 3/16” height at front.
Cast stone architectural unit 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

<table>
<thead>
<tr>
<th>Veneer Units</th>
<th>Flat Sill Units*</th>
<th>Sloped Sill Units*</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 4 x 24</td>
<td>5 x 2 ¼</td>
<td>6 x 4</td>
</tr>
<tr>
<td>4 x 8 x 24</td>
<td>5 x 3</td>
<td>7 x 4</td>
</tr>
<tr>
<td>4 x 12 x 24</td>
<td>5 x 4</td>
<td>6 x 4 Chamfer</td>
</tr>
<tr>
<td>4 x 16 x 24</td>
<td>5 x 5</td>
<td>8 x 4</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.

Colors & Textures

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

10" D x 3 - 8" H x 36" & 48" L
12" D x 3 - 8" H x 36" & 48" L
14" D x 3 - 8" H x 36" & 48" L
16" D x 3 - 8" H x 36" & 48" L

Peaked Coping*

10" - 36" D x 3 - 8" H x 36" & 48" L
12" - 36" D x 3 - 8" H x 36" & 48" L
14" - 36" D x 3 - 8" H x 36" & 48" L
16" - 36" D x 3 - 8" H x 36" & 48" L

Profiled Coping (Single Side)

10" - 36" D x 3 - 8" H x 36" & 48" L
12" - 36" D x 3 - 8" H x 36" & 48" L
14" - 36" D x 3 - 8" H x 36" & 48" L
16" - 36" D x 3 - 8" H x 36" & 48" L

Profiled Coping (Double Side)

10½" D x 3 - 8" H x 36" & 48" L
12" D x 3 - 8" H x 36" & 48" L
13" D x 3 - 8" H x 36" & 48" L
14½" D x 3 - 8" H x 36" & 48" L
15" D x 3 - 8" H x 36" & 48" L
16" D x 3 - 8" H x 36" & 48" L
17" D x 3 - 8" H x 36" & 48" L
18" D x 3 - 8" H x 36" & 48" L
20¼" D x 3 - 8" H x 36" & 48" L
25" D x 3 - 8" H x 36" & 48" L

Sloped Coping

10" - 36" D x 3 - 8" H x 36" & 48" L
12" D x 3 - 8" H x 36" & 48" L
13" D x 3 - 8" H x 36" & 48" L
14½" D x 3 - 8" H x 36" & 48" L
15" D x 3 - 8" H x 36" & 48" L
16" D x 3 - 8" H x 36" & 48" L
17" D x 3 - 8" H x 36" & 48" L
18" D x 3 - 8" H x 36" & 48" L
20¼" D x 3 - 8" H x 36" & 48" L
25" D x 3 - 8" H x 36" & 48" L

Flat Coping
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.

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

**Shapes & Sizes**

- **44F**
  - Typical Dimensions:
    - Width: 3½" (9 cm)
    - Height: 15½" (39 cm)
- **8FT**
  - Typical Dimensions:
    - Width: 7" (18 cm)
    - Height: 15½" (39 cm)
- **8FETR**
  - Typical Dimensions:
    - Width: 7½" (19 cm)
    - Height: 15½" (39 cm)
- **8FE**
  - Typical Dimensions:
    - Width: 7½" (19 cm)
    - Height: 15½" (39 cm)
- **8FEBN**
  - Typical Dimensions:
    - Width: 7½" (19 cm)
    - Height: 15½" (39 cm)
- **10F**
  - Typical Dimensions:
    - Width: 9½" (24 cm)
    - Height: 15½" (39 cm)
- **8UF (v-unit)**
  - Typical Dimensions:
    - Width: 7½" (19 cm)
    - Height: 7½" (19 cm)
- **8F8 Solid**
  - Typical Dimensions:
    - Width: 7½" (19 cm)
    - Height: 7½" (19 cm)
- **8F8 Hollow**
  - Typical Dimensions:
    - Width: 7½" (19 cm)
    - Height: 7½" (19 cm)
- **KOBB (open bottom)**
  - Typical Dimensions:
    - Width: 7½" (19 cm)
    - Height: 15½" (39 cm)
- **4FE L Corner**
  - Typical Dimensions:
    - Width: 7½" (19 cm)
    - Height: 15½" (39 cm)

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)*
Colors & Textures

**GROUP 1**

Huntington Gray  | Pebble Beach  | Anthem Red  | Berkeley  | Beverly Spice  | Black Mountain  | Fuego Red  | Hopi Sandstone  | Mojave Brown

Monterey Stone  | Newport  | Papago Red  | Plum  | Red Rock  | Riverside  | San Mateo Rose  | Black Canyon

Also available in Desert Yellow & Eastmark Brown

**GROUP 2**

MW Bone  | Modesto  | Walnut Creek  | Willow Green  | Pearl White  | Malibu Sand

Also available in Opal

**GROUP 3**

Durango  | Rutherford  | Mission White  | Southwest Gold  | Seashell

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 over-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

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 unit 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.

Shapes & Sizes

<table>
<thead>
<tr>
<th>Shape</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>8FT</td>
<td>1(\frac{1}{2}) x 15(\frac{3}{8}) x 7(\frac{3}{4})</td>
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<tr>
<td>8FETR</td>
<td>3(\frac{3}{8}) x 15(\frac{3}{8}) x 7(\frac{3}{4})</td>
</tr>
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<td>8FE</td>
<td>2(\frac{3}{4}) x 15(\frac{3}{8}) x 7(\frac{3}{4})</td>
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<td>8FEBN</td>
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<td>10F</td>
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<td>8UF (v-unit)</td>
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<td>8F8 Solid</td>
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<tr>
<td>8F8 Hollow</td>
<td>3(\frac{3}{8}) x 15(\frac{3}{8}) x 7(\frac{3}{4})</td>
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<tr>
<td>KOBB (open bottom)</td>
<td>7(\frac{3}{4}) x 15(\frac{3}{8}) x 7(\frac{3}{4})</td>
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<tr>
<td>4FE L Corner</td>
<td>7(\frac{3}{4}) x 15(\frac{3}{8}) x 7(\frac{3}{4})</td>
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</tbody>
</table>

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)
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 units with a maintenance free finish that is easy to clean.

**Shapes & Sizes**

- **44F**
- **8FT**
- **8FETR**
- **8FE**
- **8FEBN**
- **8F8** (v-unit)
- **8F8 Solid**
- **8F8 Hollow**
- **KOBB** (open bottom)
- **4FE L Corner**

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.
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.

**Shapes & Sizes**

- **44F**
- **8FT**
- **8FETR***
- **8FE**
- **8FEBN**
- **10F**
- **8UF (v-unit)**
- **8F8 Solid**
- **8F8 Hollow**
- **KOBB** (open bottom)
- **4FE L Corner**

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)
## Colors & Textures

<table>
<thead>
<tr>
<th>Verastone® &amp; Verastone® Plus</th>
<th>Seashell</th>
<th>Mission White</th>
<th>Pearl</th>
<th>Durango</th>
<th>Rutherford</th>
<th>Southwest Gold</th>
<th>Malibu Sand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verastone® Textured</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</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™  44
- EnduraMax®  48
- Acousta-Wal®  52
- Integral Water Repellent  54
InsulTech™
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 unit colors and textures.

Shapes & Sizes

IAPMO Building Evaluation Report #420
www.iapmo.org
Closed End Stretcher Unit

Open End Stretcher Unit

Double Sash Unit

Half Sash Unit - Left/Right

Corner Block Unit

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

Available in all Superlite Smooth, Mesastone®, Trendstone® and Trendstone Plus® offerings. Split face not available.

Ask your Echelon™ representative about additional color options.
Equipped with 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.

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 pre-molded 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.

---

**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.

**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 withstand one hour of exposure to temperatures of more than 1,700°F.

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*IAPMO Building Evaluation Report #315
www.iapmo.org
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.

<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></td>
<td>9.1 steady state</td>
</tr>
<tr>
<td>Stone 4”</td>
<td>.32</td>
</tr>
<tr>
<td>Brick 4”</td>
<td>.44</td>
</tr>
<tr>
<td>Fiber Cement Siding</td>
<td>.19</td>
</tr>
<tr>
<td>Vinyl Siding</td>
<td>.61</td>
</tr>
<tr>
<td>Insulated Vinyl Siding</td>
<td>2.00 - 2.70</td>
</tr>
<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.

¹ An 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.
² Assumes R-Value of .08 per inch.
³ Assumes R-Value of .11 per inch.
⁴ Assumes R-Value of 0.44 per inch.
⁵ U.S. Department of Energy: Residential provisions of the 2012 IECC.

Ask your local architectural rep for more information
Note: All color samples are representative only.
For accurate color selection, ask your sales 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 (Hertz)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>125</td>
</tr>
<tr>
<td>4”</td>
<td>I</td>
<td>Painted</td>
<td>.18</td>
</tr>
<tr>
<td>6”</td>
<td>I</td>
<td>Painted</td>
<td>.33</td>
</tr>
<tr>
<td>4”</td>
<td>IV</td>
<td>Painted</td>
<td>.21</td>
</tr>
<tr>
<td>6”</td>
<td>IV</td>
<td>Painted</td>
<td>.31</td>
</tr>
<tr>
<td>8”</td>
<td>IVRF</td>
<td>Painted</td>
<td>.21</td>
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<tr>
<td>10”</td>
<td>IVRF</td>
<td>Painted</td>
<td>.32</td>
</tr>
<tr>
<td>12”</td>
<td>IVRF</td>
<td>Painted</td>
<td>.31</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.
Integral Water Repellent
The complete water repellent system.

Quality control. Integrated and ready-to-use. You don’t have to question whether the job was done right. Computerized factory batching of the water repellent agents in both the unit 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

The Water Repellent technology is a two-part system that is integrated into both the unit and mortar, creating a continuous protection system that’s delivered to your site, ready to go.

ECHELON™ CMUS WITH WATER REPELLENT

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

AMERIMIX® MORTAR WITH INTEGRAL WATER REPELLENT

Water Repellent 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 3,000 lb. bulk bags (to be used with the Amerimix Silo Dispensing System).

See page 84 for more information on Amerimix products.

TRULY INVISIBLE TECHNOLOGY

The Integral Water Repellent System has no impact on aesthetics. In fact, it actually protects against efflorescence that can mar the look of masonry without sacrificing workability for the Mason.
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

LIGHTWEIGHT VENEERS

Hillcrest™ Stone 58
Kensley™ Stone 60
Porcelain Veneer 62
Westpeak™ Stone 64

FULL-DEPTH VENEERS

Bravissi® 66
Lamina® Stone 70
Techture Stone® 72
Waterford Stone® 76
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

- Alpine
- Sable
- Timber
- Alpine-Sable Field Blend (50/50)
- Alpine-Timber Field Blend (50/50)
- Sable-Timber Field Blend (50/50)

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>
</tr>
</thead>
<tbody>
<tr>
<td>6”</td>
</tr>
<tr>
<td>2”</td>
</tr>
<tr>
<td>3”</td>
</tr>
<tr>
<td>4”</td>
</tr>
<tr>
<td>6”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2½”</td>
</tr>
<tr>
<td>3”</td>
</tr>
<tr>
<td>4”</td>
</tr>
<tr>
<td>6”</td>
</tr>
</tbody>
</table>

See Page 97 for additional technical information
Kensley™ Stone

LIGHTWEIGHT VENEER
**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**

- Cabernet
- Dogwood
- Wheat

**Shapes & Sizes**

- Dogwood-Cabernet Field Blend (50/50)
- Dogwood-Wheat Field Blend (50/50)
- Wheat-Cabernet Field Blend (50/50)

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

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

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IAPMO Building Evaluation Report #502
www.iapmo.org

See Page 97 for additional technical information
Rugged durability, low maintenance and endless design aesthetics.

Crafted in Italy, Mirage Porcelain Veneer empowers those looking to elevate their portfolio and drive distinction among their peers. Blending the line between high-end aesthetics and functionality in a dramatic fashion, porcelain veneer delivers instant depth to a living space, commercial property or business setting.

Shapes & Sizes

Colors & Textures

**ARDESIE**

- Shore
  - AD01 NAT
- Island
  - AD02 NAT
- African Stone*
  - AD03 NAT
- Black Reef
  - AD04 NAT

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

**QUARZITI 2.0**

- Glacier
  - QR01 NAT
- Mountains
  - QR02 NAT
- Waterfall
  - QR03 NAT
- River
  - QR04 NAT
- Mantle
  - QR05 NAT

1/8” - ¼” D x 4½” H x 18” L
NEW! LIGHTWEIGHT VENEER

Westpeak™ Stone
Providing versatility for both modern and traditional design.

Westpeak is another texture in the Artisan Masonry Stone Veneers® line to provide additional options to enhance your project. Boasting a pattern that provides a horizontal course at 2 ½" and 3" heights, this dry stack product is designed to fit with tight dimensional tolerance which reduces installation time.

Shapes & Sizes

Colors & Textures

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

See Page 97 for additional technical information
NEW! FULL-DEPTH VENEER

Bravissi®
Hand chiseled texture creates a unique aesthetic.

Modeled after classic, hand chiseled masonry, Bravissi veneer is the ideal choice for distinctive architectural design. With a dramatic face texture that creates a shadow effect, this modular veneer creates a unique aesthetic and offers broad pattern flexibility. Bravissi is great for both interior and exterior applications.

Finishes

Laying Patterns

Bravissi is a truly modular system and is easily adapted to suit the taste of the most discerning owners.

*Field cut piece (light gold)
Shapes & Sizes

FACE & END
**SILLS**

- 4% x 3% / 2% x 23%
- Slanted

**CAPS**

- Side View
- Top View
- 11% x 4 / 3% x 23%
- 15% x 4 / 3% x 23%

All sizes also available in Satin™ Fine Finish

- Ideal for architectural detailing
- Also available in caps and sills
FULL-DEPTH VENEER

Lamina® Stone
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

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

See Page 97 for additional technical information
NEW! FULL-DEPTH VENEER

Techture Stone®
Unique large scale combines elegance with versatility.

Techture Stone masonry veneer combines design elegance with versatility in a large scale. Providing a rough-hewn finish in a larger size, designs using Techture Stone are sure to leave a grand impression. The unique aesthetic is great for interior as well as exterior applications, providing modular sizes for pattern flexibility.

**Shapes & Sizes**

![Shapes & Sizes Diagram](image)

**Laying Patterns**

Techture Stone is a truly modular system and is easily adapted to suit the taste of the most discerning owners.

![Laying Patterns Diagram](image)
Colors & Textures

ROCKFACE FINISH
(ALSO AVAILABLE IN SMOOTH FINISH)

Winter White (P)  Parchment (P)  Antique White (S)  Sahara (S)  Limestone (P)  October Yellow (S)  Honey Mustard (S)  Toffee (S)  Mojave (S)  Gold Rush (P)

Autumn Tan (S)  Adobe (S)  Saddle (S)  Chocolate (S)  Hickory (S)  Burnt Hawthorne (S)  Cedar (S)  Maple (S)  Concord Red (S)  Paprika (S)

Onyx (S)  Ivory (S)  Gray Spice (P)  Midnight (P)

Colors are produced at Shakopee Minnesota plant

Premium (P) and Custom (C) colors are available at an increased price versus Standard (S) colors.

Note: Every effort has been made to assure accuracy in these colors. However, due to the nature of concrete and the molding process, as well as the process employed in printing these charts, colors may vary slightly. We recommend viewing actual samples as you make your color selection.
Colors & Textures

BURNISHED FINISH

- Winter White (P)
- Parchment (P)
- Antique White (C)
- Sahara (C)
- Limestone (P)
- October Yellow (C)
- Honey Mustard (C)
- Ivory (S)
- Toffee (C)
- Mojave (C)
- Gold Rush (P)
- Buckskin (C)
- Autumn Tan (S)
- Adobe (C)
- Saddle (C)
- Chocolate (C)
- Hickory (C)
- Burnt Hawthorne (C)
- Cedar (C)
- Maple (C)
- Concord Red (C)
- Paprika (C)
- Gray Spice (P)
- Warm Tone (S)
- Onyx (C)
- Midnight (P)

*Colors are produced at Shakopee Minnesota plant*

Premium (P) and Custom (C) colors are available at an increased price versus Standard (S) colors.

Note: Every effort has been made to assure accuracy in these colors. However, due to the nature of concrete and the molding process, as well as the process employed in printing these charts, colors may vary slightly. We recommend viewing actual samples as you make your color selection.
FULL-DEPTH VENEER

Waterford Stone®
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”.

See Page 97 for additional technical information
Quik Brik®

Quik Brik is 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 82
Founders Finish 82
Harvard Brik® 83
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 and time again for its first-rate appearance and history of dependability.

**STANDARD SIZES**

4”D x 4”H x 16”L
8”D x 4”H x 16”L
12”D x 4”H x 16”L

**SIZES COMPATIBLE WITH ENDURAMAX® SYSTEM**

1½”D x 2½”H x 16”L
1¾”D x 4”H x 16”L

Note: Engineered with score.
TRADITIONAL - NATIONAL FLASHED COLORS

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

FOUNDERS FINISH

Founders Finish offers all the benefits of Quik Brik® with a unique striated finish to give your project a special aesthetic.

Bone
Canyon
Desert
Gray
Hayden
Highland
Maricopa
Oak-Creek
Platinum
Sedona
Sunset

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Harvard Brik Series offers all of the benefits of Quik Brik with a unique “blended” color palette to accentuate your building & provide color fastness.

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
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.
**AMERIMIX® BAGGED GOODS**

**30% MORE MORTAR FROM AN AMERIMIX PRE-BLENDED BULK BAG THAN AN AVERAGE SAND PILE**

- **1 BULK BAG**
- **1 FIELD BATCH**

*30% is for the full job, based on a 100,000 block job.*

---

**SAND WASTE IS BAD FOR BUSINESS**

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.**

**15% LOSS OF SAND PILES DUE TO WEATHER EROSION **

**ROUGHLY $2,000 LOSS on a 100,000 block job**

---

**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.*
Architectural Masonry is the evolution 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

- Precision 90
- Split Face 90
- Sonora & Fluted 91
- Vertical Scored Block 92
- Designer Split Textures 92
- Slump Block 93
- Regional Colors & Textures 94
Concrete Masonry
**Durable building units 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.
Integrally colored architectural concrete units are available in numerous colors and include integral water repellent (I.W.R.) admixture to repel moisture and resist mold. I.W.R. is optional on Gray Block.

**STANDARD CMU | PRECISION**

- Autumn
- Beverly Spice
- Berkeley
- Black Mountain
- Bone
- Buff
- Charcoal
- Fuego Red
- Huntington Gray
- Harvest Brown
- Mojave Brown
- Monterey Stone
- Peach
- Pebble Beach
- Plum
- Umber
- Willow Green

**SPLIT FACE**

Split Face masonry units are integrally colored pre-finished architectural concrete units with a beautiful, rough-hewn texture on one or more faces. The concrete masonry units are mechanically split apart after having been cured, leaving the split face with a rough texture, similar to natural stone. The splitting process reveals the aggregates used in the unit, so different aggregates will give different appearances and no two units are exactly alike.

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
SONORA & FLUTED UNITS
Both Sonora and Fluted units are accomplished by using a mold with the desired characteristics. They may include vertical scores and are molded with two units attached face to face. The units are mechanically split apart using the same process as Split Face unit and so have all the visual effects of Split Face unit. Sonora & Fluted unit are available as both medium weight hollow load bearing CMUs and normal weight load bearing CMUs.

SONORA

FLUTED

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

VERTICAL SCORED UNITS
Scored unit is accomplished by using a mold with the desired characteristics. Many of the scored units are designed so that the vertical scores appear in the finished wall as unwavering straight lines or stack bond, even when laid up in regular running bond in which joints alternate over the center of units in courses above and below. The vertical score is used to simulate the mortar joints of the units above and below. Vertical Scored unit is available as both a medium weight hollow load bearing CMU and a normal weight hollow load bearing CMU.

Vertical Scored Block swatches are represented by Standard CMU swatches.

DESIGNER SPLIT TEXTURES
Visit with your local architectural consultant to explore these and other unique architectural finishes.

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

Slump Block imparts traditional architectural character of the Southwest. To give these units their special character, the manufacturing process is changed so that the mix slumps within desired limits when removed from its mold. Because of the unpredictable roll in texture, the units take on the appearance of handmade adobe. Slump unit is a normal weight hollow load bearing CMU.

Colors & Textures (continued)

Castle Gray
Adobe Buff
Spanish Brown
Pima Adobe
Desert Beige
Regional Colors & Textures (continued)

NEVADA COLORS-PRECISION

Autumn  Black  Charcoal  Chocolate  Cinnamon  Cocoa Brown  Huntington Gray  Monarch

Umber Brown  White

Also available in Nufad, Sunriver Tan, Utah Brown & Valley Tan

NEVADA COLORS-SPLIT FACE

Autumn  Black  Charcoal  Chocolate  Cinnamon  Cocoa Brown  Huntington Gray  Monarch

Umber Brown  White

Also available in Nufad, Sunriver Tan, Utah Brown & Valley Tan

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

- NW Bone
- NW Buff 1
- NW Buff 2
- NW Charcoal
- NW Cocoa Brown
- NW Fuego Red
- NW Light Mystic
- NW Natural
- NW Pima Adobe
- NW Sage Buff
- NW Santa Rosa
- NW Spice Berry
- NW Sunburst
- NW Tan
- NW Tierra Brown 1
- NW Tierra Brown 2

TUCSON COLORS - SPLIT FACE

- NW Bone
- NW Buff 1
- NW Buff 2
- NW Charcoal
- NW Cocoa Brown
- NW Fuego Red
- NW Light Mystic
- NW Natural
- NW Pima Adobe
- NW Sage Buff
- NW Santa Rosa
- NW Spice Berry
- NW Sunburst
- NW Tan
- NW Tierra Brown 1
- NW Tierra Brown 2

TUCSON COLORS - SLUMP

- Chocolate
- Coral
- Natural
- Palo Verde
- Pima Adobe
- Red Adobe
- Santa Rosa
- Spanish Gold
- Tan

Note: All color samples are representative only. For accurate color selection, ask your sales representative for samples.
Technical Information
### Lamina® Stone
- **Minimum compressive strength**: 4,000 psi
- **Absorption Rate Average**: 6%
- **Minimum Density**: 120 lbs. / cu. ft.
- **Solid units**: 3,150 lbs./90 sq.ft.
- **False joint units**: 3,060 lbs./90 sq.ft.

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

### Waterford Stone®
- **Minimum Compressive Strength**: 4,000 psi
- **Absorption by weight**: 6%
- **Density**: Minimum Density 120 lbs. / cu. ft.
- **4" & 7" piece pallet weight**: 3,564 lbs./104.8 sq.ft.
- **11 1⁄2" piece pallet weight**: 3,496 lbs./92 sq.ft.
- **11 1⁄2” chiseled piece pallet weight**: 4,048 lbs./92 sq.ft.

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

### Kensley™ Stone
- **ASTM C170 Compressive Strength**: Average 2,800 PSI
- **ASTM C1670 Absorption Rate**: Average 6%
- **ASTM C666 Freeze Thaw Resistance**: Mass loss less than 1%
- **ASTM C67 Freeze Thaw Resistance**: Mass loss less than 1%

ASTM C1670, Standard Specification for Adhered Manufactured Stone

### Cordova Stone™ 1-Inch

<table>
<thead>
<tr>
<th>Building Code</th>
<th>ASTM Standard</th>
<th>Cordova Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive strength</td>
<td>Avg. 7,000 psi</td>
<td>4,170 psi</td>
</tr>
<tr>
<td>Cold water absorption</td>
<td>Avg. 4%</td>
<td>8.26 lbs./cu. ft.</td>
</tr>
<tr>
<td>Density (normal weight)</td>
<td>Avg. 130 lbs./cu. ft.</td>
<td>133 lbs./cu. ft.</td>
</tr>
</tbody>
</table>


### Hillcrest™ Stone
- **ASTM C170 Compressive Strength**: Average 2,800 PSI
- **ASTM C1670 Absorption Rate**: Average 6%
- **ASTM C666 Freeze Thaw Resistance**: Mass loss less than 1%
- **ASTM C67 Freeze Thaw Resistance**: Mass loss Less than 1%

ASTM C1670, Standard Specification for Adhered Manufactured Stone

### Westpeak™ Stone
- **ASTM C1670 Compressive strength**: 2,800 psi
- **ASTM C1670 Absorption Rate**: Average 6%
- **ASTM C666 Freeze Thaw Resistance**: Mass loss less than 1%
- **ASTM C67 Freeze Thaw Resistance**: Mass loss less than 1%

ASTM C1670, Standard Specification for Adhered Manufactured Stone

**Pallet**: 103.75 sq.ft. - 10 layers, 10.37 sq.ft./Layer