Patios, driveways and landscape products to inspire.
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1971 - 2013

Hanover® has specialized in the manufacturing of paving materials for over forty-one years. Outdoor living spaces are an important asset, increasing the value of a home as well as reclaiming unused lawn areas. Hanover’s extensive line of paving products truly completes your home and landscaping. From a small hand held brick to larger scaled pavers, Hanover® Prest® Brick, Patio Pavers and Garden Walls are available in a wide selection of sizes, styles and colors. No other company can offer the superior quality and complete selection of pavers, bricks and walls that Hanover® can. Hanover’s reputation stands solid with our product performance and service to our customers.

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Patios & Pool Decks

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Appian® 6” x 6” and 6” x 9” Prest® Brick Tumbled Finish, South Mountain Sand; Bullnose Coping, South Mountain Sand

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Appian® 6” x 6” and 6” x 9” Prest® Brick Tumbled Finish, Chocolate/Tan Blend

Walkways & Sidewalks
Driveways & Entranceways

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Appian® 6" x 6", 6" x 9" and Circle Prest® Brick Natural Finish,
South Mountain Sand

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South Mountain Sand

Serengeti® Grande™, Gettysburg Gray

Appian® 6" x 6", 6" x 9" and Circle Prest® Brick Natural Finish,
Red/Charcoal and Natural/Charcoal Blends

Serengeli® Grande™, Gettysburg Gray
Fireplaces & Outdoor Kitchens
Chapel Stone® Garden Walling, Canyon Blend; Sealed with Hanover® Intensifying Sealer

Chapel Stone® Garden Walling, Gray Blend; Split Faced Pillar Caps, Gray Blend

Ammon’s Wall®, Chocolate/Tan Blend

Chapel Stone® Garden Walling, Gray Blend

Chapel Stone® Garden Walling and Wall Caps, Gray Blend
Landscape Walls & Pillars
WHAT IS LAMININ®?

LAMININ® Paver Infusion Technology is a revolutionary new manufacturing technology that infuses Hanover® pavers from the inside out. LAMININ® lays the foundation to actively influence the adhesion of concrete molecules and increases the performance of Hanover’s already proven concrete pavers. Concrete molecules are bonded together to strengthen and maintain the highest quality concrete pavers in the industry.

For years, acid rain, ultraviolet light and efflorescence have been a detriment to the appearance and longevity of concrete unit pavers. Developed by Hanover® Architectural Products, LAMININ® will protect against acid rain and ultraviolet light to keep Hanover® Pavers looking vibrant and new for years to come. With an extremely low water absorption rate, efflorescence is substantially reduced.

Hanover® concrete pavers with LAMININ® Paver Infusion Technology will provide:

- Substantial reduction of efflorescence
- Low water absorption
- Protection from acid rain
- Resistance to UV damage
- Bright, vibrant color
- Low maintenance
- Long lasting installation
- Improved stain resistance

WHAT LAMININ® DOES

LAMININ® Paver Infusion Technology will dramatically add protection, life and lasting value to Hanover’s concrete paver product line. Hanover® Pavers are manufactured as a single homogenous mix with average compressive strengths exceeding ASTM C936. The high performance of LAMININ® Paver Infusion Technology will defend against natural elements such as:

- Acid rain
- Alkalis
- Efflorescence
- Ultraviolet Light
- Oil and Food Stains

LAMININ® is NOT a top surface treatment. Common top surface treatment processes do not address ultraviolet light, efflorescence or acid rain. Hanover® LAMININ® Paver Infusion Technology is a revolutionary new manufacturing technology that infuses Hanover® Pavers from the inside out.

Hanover® Pavers with LAMININ® have been independently tested. For more information about Hanover’s LAMININ® Paver Infusion Technology, visit www.hanoverpavers.com or contact a Hanover® Sales Representative.
**EFFLORESCENCE RESISTANCE**

Efflorescence has long been a common problem associated with concrete pavers. Hanover® Pavers were tested in accordance with procedures outlined in ASTM C67. Paver samples were placed in water for seven days and showed no signs of efflorescence. The results were astounding. Hanover’s LAMININ® Paver Infusion Technology substantially reduces efflorescence.

---

**UV RESISTANCE**

Hanover® Prest® Brick produced with LAMININ® Paver Infusion Technology provide superior resistance to UV damage. Bricks were subjected to intense ultraviolet light for 2000 hours, the equivalent of 15-20 years. Hanover’s Prest® Brick with LAMININ® showed very little change, as illustrated on the chart below. Test Results have been generated from independent lab tests. See ASTM D 4587-05 for testing procedures.

---

**ACID RESISTANCE**

Hanover’s LAMININ® Paver Infusion Technology defends against natural elements such as acid rain. The bricks shown were subjected to 2 ml of non-diluted muriatic acid for 2 minutes, the equivalent of 15-20 years of acid rain damage. Hanover’s Prest® Brick with LAMININ® showed little or no visible damage.

Other manufacturers provide paver protection with a top surface filled with tiny stones simply to produce a smooth finish. This process does not defend against acid rain damage. As shown in the photo of the competitor’s brick with top treatment, considerable visible damage occurred during the acid test.

---

**STAIN RESISTANCE**

LAMININ® Paver Infusion Technology provides a higher level of stain resistance. In independent lab tests, stains penetrated almost two times deeper on pavers without LAMININ®. Results are illustrated to the right. Hanover® Pavers with LAMININ® will resist stains, making paver installations remain clean and vibrant.

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**WATER ABSORPTION**

![Chart showing water absorption rate comparison between Prest® Brick with LAMININ® and Average Competitor Brick.](chart.png)
All shown in Chestnut and Sahara
Riven Prest® Brick

Riven Prest® Brick replicates the look of stone with contoured sides and a face textured to simulate natural riven stone. Riven refers to the surface of flags, which is a natural bedding plane within the rock from which the flagstone is quarried. A natural riven surface is achieved by splitting blocks of stone, creating uneven surfaces with crevices and clefts. Because Riven Prest® Brick has a wider joint style, a quality Polymeric Sand is recommended for joint filling.

Riven is available in Gettysburg Gray, Sahara and Chestnut. Sahara is a subtle, light tan blend resembling desert sand. Chestnut is dark, rich blend of shades ranging from tan to chocolate brown. Sahara and Chestnut color blends can be laid individually or combined to create a third color similar to Canyon Blend wall color (shown above right).

Riven Viisi™

Riven Viisi™ is made up of five pieces nominally sized at 9” x 12”, 6” x 12”, 6” x 9”, 3” x 9” and 3” x 6”. To be installed randomly, Riven Viisi™ is Hanover’s first paver system of all rectangular pieces. Manufactured with a 3” thickness, Riven Viisi™ can support low speed moderate vehicular traffic. Riven Viisi™ combines the durability of concrete with the timeless beauty of natural stone to create the perfect walkway, courtyard, plaza or driveway.

Olde Hanover® Prest® Brick

Create a vintage paving effect reminiscent of the narrow cobbled streets of old European villages with Olde Hanover® Prest® Brick. Olde Hanover® offers the distinct look of aged clay brick pavers. Sides are contoured to enhance the worn and weathered appearance. Dimensions are consistent making installation efficient. The combination of warm, rich color tones and a wider joint style complete the antique clay look. Polymeric sand is recommended for joint filling.

Olde Hanover® 3” x 9”

The Olde Hanover® 3” x 9” x 2 3/8” is stocked in three colors – Quarry Red, Terracotta and Russet Blend. The colors can be used alone or mixed to create interesting paving designs. The Olde Hanover® 3” x 9” can be installed in Herringbone, Basketweave or Running Bond patterns. See page 112.


Sizes shown are nominal. Products are made to fit metric modules.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.

Please Note: Joints should be filled with a suitable polymeric sand which is specially formulated for the filling of wide joints when installing pavers. Unlike traditional sand, polymeric sand stays in place and remains stable; effectively resisting erosion caused by water, frost, wind, etc. Contact Hanover® for more information.

Stocked Colors

Quarry Red
Russet Blend
Terracotta

Shown in Terracotta

Olde Hanover® Prest® Brick

Shown in Russet Blend

Shown in Terracotta

3” x 9” x 2 3/8”

Shown in Terracotta

<table>
<thead>
<tr>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per shop</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>3” x 9”</td>
<td>2.52</td>
<td>25.36</td>
<td>560</td>
<td>101.44</td>
<td>1724.65</td>
</tr>
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</table>
All shown in Chocolate/Tan Blend and South Mountain Sand
Serengeti® Stone truly displays the rough and rugged characteristics of the plains and stone boulders found within the Serengeti. The bricks have irregular sides and top surfaces. Together with a unique texture overall, this completes the stone effect. Serengeti® Stone is available in two designs – Serengeti® Grande™ with a 3” thickness and Serengeti® 6” x 6” and 6” x 9” with a 2 3/8” thickness. Both are stocked in four earth-tone color blends.

### Serengeti® Stone

#### Stocked Colors

- **Chocolate/Tan Blend**
- **Gettysburg Gray**
- **South Mountain Sand**
- **Salmon/Charcoal Blend**

Shown in Gettysburg Gray
The 14" x 14" is packaged separately.

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
<th>lbs. per cube</th>
<th>s.f. per truck</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>pcs. per strap</th>
<th>lbs. per strap</th>
</tr>
</thead>
<tbody>
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<td>14&quot; x 14&quot;</td>
<td>3&quot;</td>
<td>1334.4</td>
<td>2300</td>
<td>66.72</td>
<td>48</td>
<td>22.24</td>
<td>72</td>
</tr>
<tr>
<td>9&quot; x 14&quot; (A)</td>
<td>3&quot;</td>
<td>1241</td>
<td>2610</td>
<td>73</td>
<td>32 (A)</td>
<td>48 (B)</td>
<td>32 (A)</td>
</tr>
<tr>
<td>9&quot; x 9&quot; (B)</td>
<td>3&quot;</td>
<td>128</td>
<td></td>
<td>128 (A+B+C)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 1/2&quot; x 9&quot; (C)</td>
<td>3&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

*The 14" x 14" size is packaged separately from the other 3 sizes.

Sizes shown are nominal. Products are made to fit metric modules.

Please note: Before ordering make sure you have selected the correct proportion of Serengeti® Grande™ 14" x 14" pieces according to the effect you wish to achieve.

For ease of installation, it is suggested that the 4 1/2" x 9" piece be cut in half to create two 4 1/2" x 4 1/2" pieces to fill any spaces created by the installation designs.

Pavers with profiled tops are most susceptible to harm from plate compactors. These pavers have high and low points molded into the surface, which prevent the equipment from riding flat and subject the high points to potential scuffs. However, even smooth, flat surfaces can be harmed with improper usage or the existence of debris on the plate. To help minimize the scuffing of the profiled surface, it is important to have adequate sand on the surface prior to tamping. Hanover® recommends the use of a plate tamper with a rubber mat attachment.

### Serengeti® Grande™

The Serengeti® Grande™ is made up of four pieces, a nominally sized 14" x 14", 9" x 14", 9" x 9" and a 4 1/2" x 9". With irregular sides and top surfaces, these bricks are designed to be installed with a non-repeating or random design.

In an effort to provide versatility, the 14" x 14" is palletized separately. This allows the installer to create laying designs of different sized scales. The remaining sizes, 9" x 14", 9" x 9" and 4 1/2" x 9" are packaged together. The dimensions are in proportioned multiples. All sizes are made 3" thick.
Serengeti® Stone

Stocked Colors

Chocolate/Tan Blend
Gettysburg Gray
South Mountain Sand
Salmon/Charcoal Blend

Shown in Gettysburg Gray
The 6” x 6” and 6” x 9” are packaged separately.

6” x 6” x 2 3/8”
6” x 9” x 2 3/8”

Shown in South Mountain Sand

Shown in Chocolate/Tan Blend

Serengeti® 6” x 6” & 6” x 9”

Sizes shown are nominal. Products are made to fit metric modules. Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.

Pavers with profiled tops are most susceptible to harm from plate compactors. These pavers have high and low points molded into the surface, which prevent the equipment from riding flat and subject the high points to potential scuffs. However, even smooth, flat surfaces can be harmed with improper usage or the existence of debris on the plate. To help minimize the scuffing of the profiled surface, it is important to have adequate sand on the surface prior to tamping. Hanover® recommends the use of a plate tamper with a rubber mat attachment.

The Serengeti® 6” x 6” and 6” x 9” continue the look of the Serengeti® Stone product line with irregular sides and top surfaces. Serengeti® 6” x 6” and 6” x 9” are available in a 2 3/8” thickness and are suited for pedestrian and low volume vehicular residential applications. They are effective when used alone or can be combined with other Hanover® paving products with a 2 3/8” thickness.

The Serengeti® 6” x 6” and 6” x 9” can be arranged in a variety of installation designs including the Herringbone and Running Bond patterns. The stocked colors are shown to the left.
Hanover® Halifax® Flagstone pavers create a natural effect at its best. Whether you are contemplating an inviting garden path or a quiet landscaped patio, Halifax® Flagstone is the perfect choice. A cleft surface and a wider joint style complete the rustic look.

These pavers simulate the contours of rustic stone on the tops and sides. Because the top surface has high and low points, it is recommended that pavers be protected before tamping during installation. It is suggested that polymeric sand be used for joint filling. Several color blends are available which can be used separately or combined.

Halifax® Flagstone 12" x 12"

The 12" x 12" x 3" continues the rustic stone look of the other products in the Halifax® Flagstone line. Palletized separately, it can be laid alone or combined with the Halifax® Flagstone Mixed, allowing different designs of various scales. The 12" x 12" can also be used as a border for either the Halifax® Flagstone Mixed or Irregular.

Halifax® Flagstone Mixed

Halifax® Flagstone Mixed is made up of three pieces – a nominal 8" x 12", 8" x 8" and 4" x 8". When randomly laid together, Halifax® Flagstone Mixed can create a variety of designs and effects. These bricks are excellent for creating curved walkways or bordering the Halifax® Flagstone Irregular. The three sizes are packaged together with equal amounts of each piece. All sizes are produced in a 3" thickness. Polymeric sand is recommended for joint filling.

Stocked Colors

Chocolate/Tan Blend
Gettysburg Gray
South Mountain Sand

Sizes shown are nominal. Products are made to fit metric modules.

Sizes shown are nominal. Products are made to fit metric modules.

* The 12" x 12" size is packaged separately.

Please Note: Before ordering, make sure you have selected the correct proportion of 12" x 12" pieces according to the effect you wish to achieve. For ease of installation, it may be necessary to cut the 4" x 8" piece in half to fill spaces which the laying design created. Hand spacing of the half piece may be needed to maintain joint alignment.

Please Note: Joints should be filled with a suitable polymeric sand which is specially formulated for the filling of wide joints when installing pavers. Unlike traditional sand, polymeric sand stays in place and remains stable; effectively resisting erosion caused by water, frost, wind, etc. Contact Hanover® for more information.

Pavers with profiled tops are most susceptible to harm from plate compactors. These pavers have high and low points molded into the surface, which prevent the equipment from riding flat and subject the high points to potential scuffs. However, even smooth, flat surfaces can be harmed with improper usage or the existence of debris on the plate. To help minimize the scuffing of the profiled surface, it is important to have adequate sand on the surface prior to tamping. Hanover® recommends the use of a plate tamper with a rubber mat attachment.
Halifax® Flagstone Irregular

Halifax® Flagstone Irregular is a perfect irregular flagstone appearance. Produced in a 3” thickness, each stone shape is made with one of twelve different score designs making the installation look completely natural. Polymeric sand should be used to fill the joints and scores. When these deep scores and joints are filled, the project has the appearance of individual stones.

Sizes shown are nominal. Products are made to fit metric modules.

*Halifax® Flagstone Irregular is not stocked. It is only available upon special request when quantities permit.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.

Please Note: Joints should be filled with a suitable polymeric sand which is specially formulated for the filling of wide joints when installing pavers. Unlike traditional sand, polymeric sand stays in place and remains stable; effectively resisting erosion caused by water, frost, wind, etc. Contact Hanover® for more information.

Pavers with profiled tops are most susceptible to harm from plate compactors. These pavers have high and low points molded into the surface, which prevent the equipment from riding flat and subject the high points to potential scuffs. However, even smooth, flat surfaces can be harmed with improper usage or the existence of debris on the plate. To help minimize the scuffing of the profiled surface, it is important to have adequate sand on the surface prior to tamping. Hanover® recommends the use of a plate tamper with a rubber mat attachment.
Appian® Prest® Brick Tumbled Finish shown in South Mountain Sand, Chocolate/Tan Blend and Gettysburg Gray
Hanover’s Appian® Prest® Brick style includes several sizes of square and rectangular bricks as well as wedge shaped bricks. Wedge shaped bricks are used to form Appian® Circles and Appian® Fans in various sizes. Appian® Brick is available with a Chiseled, Tumbled or Natural finish. Each finish is stocked in a wide range of color blends to compliment any design. Truly a versatile paving system, Hanover’s Appian® Brick is an excellent pattern for large or small scale projects.

Hanover’s Appian® Prest® Brick with Tumbled Finish provide an old world atmosphere. Tumbled finish brick create a worn stone effect, adding a warm and inviting entrance to any style building or home. This brick finish combines well with Hanover’s Chapel Stone® Garden Walls, as part of a beautiful addition to any landscape. Appian® Prest® Brick with Tumbled finish is available in four earth toned color blends and stocked in a 2 3/8” thickness. The color blends (South Mountain Sand, Gettysburg Gray, Chocolate/Tan Blend and Salmon/Charcoal Blend) are perfect alone or blended together.

32 Appian® 6”x 6” & 6”x 9” Tumbled Finish
34 Appian® Mixed Tumbled Finish
36 Appian® Random Tumbled Finish
38 Appian® Circle Tumbled Finish
40 Appian® Fan Tumbled Finish

Shown in Gettysburg Gray, Chocolate/Tan Blend and South Mountain Sand
**Appian® Prest® Brick with Tumbled Finish**

Hanover’s Appian® Prest® Brick with Tumbled finish are available in four earth-toned color blends which are perfect alone or blended together. These subtle “stone-like” shades, together with a unique texturing process, complete the natural effect of the installation. The nominal 6” x 6” and 6” x 9” are stocked in a 2 3/8” thickness. These two sizes can be laid separately or mixed to create interesting designs. The 6” x 6” and 6” x 9” with Tumbled finish can be arranged in a variety of installation designs such as the herringbone or the Appian® K. Please refer to page 110 for a variety of installation designs using these two sizes. They combine well with Hanover’s Chapel Stone® Garden Walls as part of a beautiful addition to any landscape. The Appian® 6” x 6” and 6” x 9” are also available with Natural or Chiseled finishes.

**Stocked Colors**

<table>
<thead>
<tr>
<th>Color Blend</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chocolate/Tan Blend</td>
<td><img src="image1" alt="Image" /></td>
</tr>
<tr>
<td>Gettysburg Gray</td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>South Mountain Sand</td>
<td><img src="image3" alt="Image" /></td>
</tr>
<tr>
<td>Salmon/Charcoal Blend</td>
<td><img src="image4" alt="Image" /></td>
</tr>
</tbody>
</table>

Shown in South Mountain Sand

The 6” x 6” and 6” x 9” are packaged separately.

**Table of Dimensions and Weights**

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>sf. per cube</th>
<th>lbs. per cube</th>
<th>sf. per truck</th>
<th>lbs. per truck</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” x 6”</td>
<td>2 3/8”</td>
<td>3.64</td>
<td>13.75</td>
<td>350</td>
<td>96.25</td>
<td>1540</td>
</tr>
<tr>
<td>6” x 9”</td>
<td>2 3/8”</td>
<td>2.42</td>
<td>20.7</td>
<td>250</td>
<td>103.5</td>
<td>1552.5</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.
Appian® Mixed Tumbled Finish

The Appian® Mixed with Tumbled finish is one of the most versatile of all the Appian® System. Stocked in a 2 3/8” thickness, Mixed includes a nominal 3” x 6”, 4” x 6” and 6” x 6” in one pack. It can be used as a stand alone style or to complete and fill the areas around circles and fans. The Appian® Mixed with a Tumbled finish is excellent for creating curved walkways. Mixed can also be used in combination with the 6” x 9” to create an interesting paving pattern. It is available with a Chiseled or a Natural finish as well. The available colors are shown to the right.

Sizes shown are nominal. Products are made to fit metric modules. Appian® Mixed with Tumbled finish is packaged in sacks.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.

A 3” thickness is available on special order when quantities permit.
Shown in Gettysburg Gray and South Mountain Sand
Appian® Prest® Brick with Tumbled Finish

Stocked Colors

Chocolate/Tan Blend
Gettysburg Gray
South Mountain Sand
Salmon/Charcoal Blend

9" x 9" x 2 3/8" (A)
6" x 9" x 2 3/8" (B)
6" x 6" x 2 3/8" (C)
3" x 6" x 2 3/8" (D)

Shown in Gettysburg Gray
Sizes are packaged together.

Appian® Random Tumbled Finish

The Appian® Random with Tumbled finish is manufactured to include a nominal 9" x 9", 6" x 9", 6" x 6" and 3" x 6" together in one cube. Many designs are possible to produce a variety of appearances. The larger scale gives the installation a bold, natural stone effect. Random with Tumbled finish can be installed alone or with any of the Appian® Style bricks in Natural or Chiseled finish. Available in four blends, shown above left, and a 2 3/8" thickness, it is suitable for both pedestrian walkways and residential driveways.

<table>
<thead>
<tr>
<th>Thickness</th>
<th>s.f. per s.t.</th>
<th>pcs. per strap</th>
<th>s.f. per cube</th>
<th>pcs. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>9&quot; x 9&quot; (A)</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>56 (A)</td>
<td>92</td>
<td>1748</td>
<td>2352</td>
</tr>
<tr>
<td>6&quot; x 9&quot; (B)</td>
<td>-</td>
<td>-</td>
<td>66 (B)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6&quot; x 6&quot; (C)</td>
<td>-</td>
<td>84 (C)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3&quot; x 6&quot; (D)</td>
<td>-</td>
<td>84 (D)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>280 (A+B+C+D)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.

Please Note: For ease of installation, it is suggested that the 3" x 6" pieces be cut in half to create 3" x 3" pieces to fill any spaces created by the installation design.

Review all laying design information on page 110.
Shown in Gettysburg Gray, Chocolate/Tan Blend and South Mountain Sand
Appian® Prest® Brick with Tumbled Finish

Stocked Colors

Chocolate/Tan Blend
Gettysburg Gray
South Mountain Sand
Salmon/Charcoal Blend

Tumbled Circle

Shown in Chocolate/Tan Blend

Appian® Circle Tumbled Finish

By including an Appian® Circle with Tumbled finish in your installation, you can add a focal point and detail to your pavement design. Any of Hanover’s Appian® Styles in Natural, Tumbled or Chiseled finish can be used to fill the area around the Circle. Different effects can be created by using either the same colored pavers as in the surrounding area or by installing pavers of a contrasting color.

Hanover’s Appian® Circle with Tumbled finish has simplified the installation by providing a paver which maintains close joints and has little waste. Manufactured with a 2 3/8” thickness, each pallet contains two 8 foot diameter circles or one 11 foot circle.

<table>
<thead>
<tr>
<th>Circle</th>
<th>thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>pcs. per truck</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-11’ circle or 2-8’ circles</td>
<td>2 3/8”</td>
<td>-</td>
<td>-</td>
<td>530</td>
<td>108</td>
<td>1620</td>
<td>3080</td>
<td></td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules. Appian® Circle with Tumbled finish is packaged in sacks.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.
Appian® Fan Tumbled Finish

Architects have always considered arcs to be very pleasing designs. Fashioned after historic Roman pavements, the Appian® Fan with a Tumbled finish uses a repeating arc design to create interest in the floorscape.

Unlike other fans, Hanover’s Fan maintains close joints and creates no waste with no cutting involved. Hanover’s system fits together tightly to ensure a quality, long lasting installation. Several color blends are available. The Appian® Fan with Tumbled finish works well as an accent area or to complete the entire project. Also available with a Natural finish, it is equally suited for large and small scale installations and can be used with other unit paving products within Hanover® product lines.

Appian® Prest® Brick with Tumbled Finish

Appian® Fan is not a stocked item.

Shown in Chocolate/Tan Blend

<table>
<thead>
<tr>
<th>Fan</th>
<th>1 cube contains 10 fans</th>
<th>thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 5/8&quot;</td>
<td>5'5&quot; width approx.</td>
<td></td>
<td>-</td>
<td>-</td>
<td>500</td>
<td>93</td>
<td>1581</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules. Appian® Fan with Tumbled finish is packaged in sacks.

* Appian® Fan with Tumbled Finish is not stocked. It is only available upon special request when quantities permit.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.
Appian® Prest® Brick Chiseled Finish

Hanover’s Appian® Prest® Brick is available with a Chiseled finish. A Chiseled texture is applied to each brick yielding a slightly chipped surface and rough, distressed edges. The appearance of hand chiseled craftsmanship adds unique character to Hanover’s Appian® 6” x 6”, 6” x 9”, Mixed and Random Prest® Brick.

Appian® Prest® Brick with a Chiseled finish are stocked in four subtle earth tone color blends – Chocolate/Tan Blend, South Mountain Sand, Gettysburg Gray and Salmon/Charcoal Blend.

Sizes shown are nominal. Products are made to fit metric modules. Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.
Hanover’s Appian® Prest® Brick with Natural finish add a cobbled charm to any paving project. With antiqued top edges, square, rectangular and wedge brick shapes are available in several blended colors. Wedge shaped pavers form fans and circles of various sizes. Curves, arcs and circles create interest and focus attention to a particular area of the project. The Appian® System is also available with a Tumbled or Chiseled finish. Color blends can also be combined during installation giving each project its own unique look.

Appian® 6” x 6” & 6” x 9” Natural Finish

Appian® 6” x 6” and 6” x 9” Prest® Brick with Natural finish are larger scale pavers which continue the cobbled old world appeal. The Natural finish 6” x 6” and 6” x 9” can be installed alone or can be incorporated with the Appian® Mixed or Circle. The two sizes are sold separately so the installer can combine them in the desired ratio. The Appian® 6” x 6” and 6” x 9” can be arranged in a variety of installation designs such as the herringbone or the Appian® K. Refer to page 110 for a variety of installation designs. The Appian® 6” x 6” and 6” x 9” are also available with a Tumbled or a Chiseled finish. A selection of color blends are available. A 3” thickness is also available upon special request.

Stocked Colors

<table>
<thead>
<tr>
<th>Stocked Colors</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural/Charcoal Blend</td>
<td><img src="image1" alt="Image" /></td>
</tr>
<tr>
<td>Charcoal</td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>Salmon/Charcoal Blend</td>
<td><img src="image3" alt="Image" /></td>
</tr>
<tr>
<td>Red/Charcoal Blend</td>
<td><img src="image4" alt="Image" /></td>
</tr>
<tr>
<td>Chocolate/Tan Blend</td>
<td><img src="image5" alt="Image" /></td>
</tr>
<tr>
<td>Tan/Charcoal Blend</td>
<td><img src="image6" alt="Image" /></td>
</tr>
</tbody>
</table>

6” x 9” shown in Red/Charcoal Blend
6” x 6” shown in Tan/Charcoal Blend
The 6” x 6” and 6” x 9” are packaged separately.

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>$/f per cube</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” x 6”</td>
<td>2 3/8”</td>
<td>3.64</td>
<td>13.75</td>
<td>350</td>
<td>96.25</td>
<td>1540</td>
</tr>
<tr>
<td></td>
<td>3”</td>
<td>3.64</td>
<td>10.99</td>
<td>280</td>
<td>76.93</td>
<td>1230.88</td>
</tr>
<tr>
<td>6” x 9”</td>
<td>2 3/8”</td>
<td>2.42</td>
<td>20.7</td>
<td>250</td>
<td>103.5</td>
<td>1552.5</td>
</tr>
<tr>
<td></td>
<td>3”</td>
<td>2.42</td>
<td>16.56</td>
<td>200</td>
<td>82.80</td>
<td>1242</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.

A 3” thickness is available on special order when quantities permit.
Appian® 6” x 6” & 6” x 9”
Natural Finish
Shown in Tan/Charcoal Blend
Appian® Mixed Natural Finish

The Appian® Mixed is manufactured to include three sizes – a nominal 3” x 6”, 4” x 6” and 6” x 6”. When randomly laid together or with the 6” x 9” Appian® Brick, these pavers can create a variety of designs and effects. The Appian® Mixed can be used to join circles, break up jointing for the 6” x 9” laying design, or border the Appian® Fan or Circle. Mixed Prest® Brick are excellent for creating curved walkways. Stocked in five blends and a 2 3/8” thickness, Appian® Mixed with Natural finish is suitable for pedestrian walkways and residential driveways. A 3” thickness is available upon special request. The Appian® Mixed is also available with a Tumbled or a Chiseled finish.

Stocked Colors

- Salmon/Charcoal Blend
- Red/Charcoal Blend
- Chocolate/Tan Blend
- Tan/Charcoal Blend
- Natural/Charcoal Blend

Shown in Natural/Charcoal Blend
Sizes are packaged together.

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strip</th>
<th>pcs. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” x 6” (A)</td>
<td>2 3/8”</td>
<td>-</td>
<td>-</td>
<td>150 (A)</td>
<td>101</td>
<td>2865</td>
</tr>
<tr>
<td>4” x 6” (B)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>210 (B)</td>
<td>1616</td>
<td></td>
</tr>
<tr>
<td>3” x 6” (C)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>120 (C)</td>
<td>1200</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>380 (A+B+C)</td>
<td></td>
<td></td>
<td>480 (A+B+C)</td>
<td>2865</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strip</th>
<th>pcs. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” x 6” (A)</td>
<td>3”</td>
<td>-</td>
<td>-</td>
<td>120 (A)</td>
<td>1373.6</td>
<td>2668</td>
</tr>
<tr>
<td>4” x 6” (B)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>168 (B)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3” x 6” (C)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>96 (C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>384 (A+B+C)</td>
<td></td>
<td></td>
<td>384 (A+B+C)</td>
<td>1373.6</td>
<td>2668</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

A 3” thickness is available on special order when quantities permit.
Appian® Prest® Brick with Natural Finish

Stocked Colors

- Salmon/Charcoal Blend
- Red/Charcoal Blend
- Chocolate/Tan Blend
- Tan/Charcoal Blend
- Natural/Charcoal Blend

Sizes shown are nominal. Products are made to fit metric modules.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.

Appian® Random Natural Finish

Appian® Random Prest® Brick with Natural finish is manufactured to include four sizes – a nominal 9” x 9”, 6” x 9”, 6” x 6” and 3” x 6” together in one cube. Many designs are possible to produce a variety of appearances. The larger scale gives the installation a bold, natural stone effect. Appian® Random with Natural finish can be installed alone or with any of the Appian® System bricks. Available in five blends and a 2 3/8” thickness, it is suitable for both pedestrian walkways and residential driveways. The Appian® Random can be produced with a Tumbled or Chiseled finish.
Shown in Tan/Charcoal Blend
Appian® Circle Natural Finish

Circles have been known to be a difficult design to accomplish with pavers. The Hanover® Appian® Circle with Natural finish has simplified the installation by providing a paver which maintains close joints and has little waste. Each pallet contains two 8 foot diameter circles or one 11 foot circle. Appian® Mixed can be worked around the circles to create a larger diameter or complete the pavement. The Appian® Circle is also available with a Tumbled finish.

<table>
<thead>
<tr>
<th>Stocked Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salmon/Charcoal Blend</td>
</tr>
<tr>
<td>Red/Charcoal Blend</td>
</tr>
<tr>
<td>Chocolate/Tan Blend</td>
</tr>
<tr>
<td>Tan/Charcoal Blend</td>
</tr>
<tr>
<td>Charcoal</td>
</tr>
<tr>
<td>Natural/Charcoal Blend</td>
</tr>
</tbody>
</table>

### Chart

<table>
<thead>
<tr>
<th></th>
<th>thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>pcs. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circle 1 - 11’ or 2 - 8’ circles</td>
<td>23/8”</td>
<td>-</td>
<td>-</td>
<td>530</td>
<td>108</td>
<td>1620</td>
<td>3080</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.
Appian® Fan is not a stocked item.

Shown in Natural/Charcoal Blend

<table>
<thead>
<tr>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>lbs. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fan</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>500</td>
<td>93</td>
<td>1581</td>
<td>2640</td>
</tr>
</tbody>
</table>

Shown in Tan/Charcoal Blend

Appian® Fan Natural Finish

The Appian® Fan with Natural finish brings a series of gentle arches to the project. Fashioned after historic Roman pavements, the Appian® Fan brings simple grandeur into the pavement which will enhance any project. The repeated design creates interest, leading the eye to an entrance or garden or along a walkway. Hanover’s system fits together tightly to ensure a quality, long lasting installation. Several color blends are available. The Appian® Fan with Natural finish works well as an accent area and can be combined with the Appian® Mixed to complete the pavement. Manufactured in a 2 3/8" thickness, the Appian® Fan is suitable for pedestrian walkways or residential driveways.

Shown in Red/Charcoal Blend
Shown in Chocolate/Tan Blend
Hanover® Bullnose Coping

Hanover® Bullnose Coping has a specially rounded side, designed to act as an exposed edge when a hard corner may not be suitable. Sized at 6” x 12” x 2 3/8”, it is perfect for pool coping, the front edge of steps and as an alternative accent for driveways and walkways.

Hanover® offers Bullnose Coping with Tumbled finish. Bullnose Coping is available in several color blends to match or contrast the rest of the paving project and can be adhered with a concrete bonding agent or mortared in place.

Stocked Colors

Chocolate/Tan Blend

Natural/Charcoal Blend

Hanover® PlankStone

Replicating the look of classic wood board decking, Hanover’s PlankStone® introduces a completely new look for modular paving. PlankStone® is now available in 3 lengths – 8 13/16”, 17 5/8” and 23 1/2”. All pieces are 2 7/8” wide with a 4” thickness. Pieces can be laid horizontally, vertically or in alternating directions. Different lengths can be combined or installed alone creating endless installation designs.

Hidden spacers allow for sand joint interlock. Suggested for pedestrian use only, Hanover® PlankStone® is stocked in Chocolate/Tan and Natural/Charcoal color blends with a Natural finish.

Traditional® Prest® Brick

are rectangular or square in shape. Rectangular pavers are the foundation of our interlocking brick. There are several sizes to choose from or mix together — 4” x 8”, 6” x 6”, 8” x 8”, 6” x 12”, and 12” x 12”. Each brick is uniform in size, permitting easy installation of any paving design. The various sizes permit a break in installation design when mixed or a tailored look when they are installed alone.

With a beveled top edge, Hanover’s Traditional® Prest® Brick with Natural finish are rectangular or square in shape. They are available in several sizes — 4” x 8”, 6” x 6”, 8” x 8”, 6” x 12”, and 12” x 12”— with a standard 2 3/8” thickness. Some sizes are also available in a 3” thickness. Each brick is uniform in size, permitting easy installation of any paving design. Installing various sizes together creates a more contemporary paving design while installing individual sizes alone creates a more classic, tailored look. Stocked with a Natural finish, combining several colors and sizes can provide endless design opportunities.

Traditional® 4” x 8” Natural Finish

The Traditional® 4” x 8” brick with Natural finish is Hanover’s most versatile brick shape. It can be installed in many different designs or used as an edge detail for other styles of concrete pavers. The 4” x 8” can be used alone or combined with other Traditional® Prest® Brick. It is stocked in 1 1/2”, 2 3/8” and 3” thicknesses. Stocked colors and thicknesses are shown to the right. Hanover® also manufactures a 6” x 12” x 4” size which is suited for commercial vehicular use. A herringbone installation design should be used for vehicular use.

Shown in Natural/Charcoal Blend

| Sizes shown are nominal. Products are made to fit metric modules. |
| Hanover’s blended colors consist of several shades and will include some blended and some solid pieces. |
Traditional® 6” x 6” Natural Finish

Hanover® has included a smaller scaled 6” x 6” brick in the Traditional® Prest® Brick line. The 6” x 6” with Natural finish is very versatile for installation designs. It can be laid in gentle arcs or held to straight courses. They can be added as a banding edge in a complimenting color or used as the in fill with another size as the outer edge. Although the size is not stocked, it can be special ordered when quantities permit.

Traditional® 12” x 12” Natural Finish

Hanover’s Traditional® Prest® Brick with Natural finish is also manufactured in a nominal 12” x 12” size with 2 3/8” and 3” thicknesses. The 12” x 12” is suggested for pedestrian use only. When combined with several other sizes, the installation makes an interesting design, or flagstone effect. When installed alone as banding or as an edge course, it can accent the overall laying design or become part of the geometric design.
Traditional® 8” x 8” Natural Finish

Traditional® 8” x 8” brick with Natural finish provide a neat, tailored look when installed alone or permit a break in laying design when mixed with 4” x 8”. Used as an edge or border, the 8” x 8” size adds nice detail to the project. It is stocked in a 2 3/8” thickness with a Natural finish. Special orders can be accommodated for the 3” thickness. Either thickness can be used in pedestrian walkways or residential driveways. The available colors are shown to the right. The 8” x 8” size is not recommended for commercial vehicular use.

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
<th>S.F. per Strap</th>
<th>Pcs. per Cubic</th>
<th>S.F. per Truck</th>
<th>Lbs. per Cubic</th>
</tr>
</thead>
<tbody>
<tr>
<td>8” x 8”</td>
<td>2 3/8”</td>
<td>2.25</td>
<td>17.78</td>
<td>240</td>
<td>106.68</td>
</tr>
<tr>
<td></td>
<td>3”</td>
<td>2.25</td>
<td>14.22</td>
<td>192</td>
<td>85.32</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

*Traditional® 8” x 8” is also available with a Square Edge.
Traditional® Prest® Brick with Square Edge Finish

Stacked Colors

![Quarry Red](image1)

![Russet Blend](image2)

![Terracotta](image3)

Shown in Russet Blend

4” x 8” x 2 3/8”

Traditional® 4” x 8” Square Edge Finish

Traditional® 4” x 8” Prest® Brick with Square Edge finish offers the classic appearance of clay brick pavers. By incorporating rich colors and non-beveled edges, a clay look is achieved while maintaining the desired qualities of concrete brick pavers. With high compressive strengths and low water absorption, Hanover® Prest® Brick with Square Edge finish are the stronger, more economic choice.

Hanover’s 4” x 8” with Square Edge finish creates a clean, tailored paving effect. It is stocked with a 2 3/8” thickness in three colors – Quarry Red, Terracotta and Russet Blend. Hanover’s Terracotta and Russet Blend were developed by blending multiple colors, resulting in rich colors similar to clay brick pavers. Competitor products typically use only two colors.

Traditional® 4” x 4” Square Edge Finish

Manufactured with a 3” thickness, Hanover® offers a Traditional® 4” x 4” with a Square Edge as part of a custom order. The 4” x 4” is available in a variety of colors with a Square Edge Natural, Tudor® or Tumbled finish.


---

**Traditional® 4” x 8” Square Edge Finish**

<table>
<thead>
<tr>
<th>Thickness</th>
<th>s.f. per f.t.</th>
<th>pcs. per s.f.</th>
<th>pcs. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” x 8”</td>
<td>2 3/8”</td>
<td>4.5</td>
<td>20</td>
<td>540</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1680</td>
<td>3260</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules. Hanover’s blended colors consist of several shades and will include some blended and some solid pieces.

**Traditional® 4” x 4” is not a stocked item.**

**Traditional® 4” x 4” Square Edge Finish**

<table>
<thead>
<tr>
<th>Thickness</th>
<th>s.f. per f.t.</th>
<th>pcs. per s.f.</th>
<th>pcs. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” x 4”</td>
<td>3”</td>
<td>9.38</td>
<td>7.67</td>
<td>792</td>
<td>84.37</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1349.92</td>
<td>2744</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

*Traditional® 4” x 4” Square Edge Finish is not stocked. It is only available upon special request when quantities permit.*
All shown in Chocolate/Tan Blend, sealed with Hanover® Intensifying Sealer
Currently, Hanover® offers five styles of multisided concrete brick. These shapes, ranging from a series of gentle arches to a variation of a rectangular brick with angled sides, create new opportunities for the designer. Several of the shapes are available in either 2 3/8" or 3" thickness so that pedestrian and vehicular applications can both be accommodated. Standard colors and a range of blends are available. Many are stocked for immediate delivery.

74 Cathedral® Natural Finish
76 Patriot® Natural Finish
78 Congressional® Natural Finish
78 Triad Natural Finish
79 Hexagonal

Multisided Cathedral® Natural Finish

The Cathedral® Prest® Brick is truly a renaissance design made up of two shapes. The repeating arches blend well with any style of architecture, adding character to the design. Produced in a 3” thickness with a Natural finish, this design can accommodate pedestrian and low speed, residential vehicular traffic. Cathedral® is stocked in Chocolate/Tan Blend. The 4” x 8” x 3” Traditional® Prest® Brick, which can be used as a border, is available in Charcoal and Chocolate/Tan Blend. (See pages 66 and 67.) The Cathedral® two piece system has a U.S. Patent #5,201,502 and Canadian Patents #70133 and #70134.
Multisided Patriot® Natural Finish

The Patriot® Prest® Brick incorporates a true octagon with a square attached as a one piece paver. The effect gives the paving design a very classic look. An edger is available to square off the installation. Produced with a Natural finish, it is stocked in a 2 3/8" thickness in the two colors shown to the left. It is produced in a 3" thickness upon special request. The Patriot® is a good selection for any type of paving application.
Multisided Triad Natural Finish

The 7” Triad is the newest addition to Hanover’s Multisided Prest® Brick line. The Triad creates the appearance of three hexagons. Produced in a 3” thickness and a Natural finish, the Triad provides interlocking stability for both pedestrian and limited vehicular applications. Different textures and colors can be used to create unique paving patterns. The Triad Prest® Brick is not a stocked item.

Multisided Congressional® Natural Finish

The Congressional® Prest® Brick with Natural finish is a multisided concrete brick paver which is a variation of a rectangular paver blending with most styles of homes. The overall dimensions permit installations in a variety of laying designs. The Congressional® shape can be used for both pedestrian and low speed residential vehicular applications. The Congressional® Prest® Brick is not stocked but can be special ordered when quantities permit.
Hexagonal is not a stocked item.

Shown in Red/Charcoal Blend

<table>
<thead>
<tr>
<th>Hexagonal 8” across flats</th>
<th>2”</th>
<th>2.6</th>
<th>300</th>
<th>115.4</th>
<th>1846.4</th>
<th>2750</th>
</tr>
</thead>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

* Packaging information shown above is for Square Edge finish only. For other textures, packaging will vary.

* The Hexagonal is not stocked. It is only available upon special request when quantities permit.

Hexagonal with Bevel is not a stocked item.

Shown in Limestone Gray

<table>
<thead>
<tr>
<th>Hexagonal w/bevel 8” across flats</th>
<th>2-3/8”</th>
<th>2.64</th>
<th>240</th>
<th>90.9</th>
<th>1545.3</th>
<th>2600</th>
</tr>
</thead>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

* The Hexagonal is not stocked. It is only available upon special request when quantities permit.

Multisided Hexagonal Square Edge Finish

Available in 2” thickness with a Square Edge finish, the 8” Hexagonal Prest® Brick adds a new dimension in paver design possibilities. The 8” Hexagonal is made to order in a wide range of standard and blended colors to complement any project. The Hexagonal Prest® Brick is not a stocked item.

Multisided Hexagonal with Bevel

Hanover’s NEW Hexagonal Prest® Brick with 1/16” bevel is available in a wide range of colors. They are produced in a 2 3/8” or 3” thickness with spacer lugs for joint consistency. The 8” Hexagonal Brick with bevel is not a stocked item.
The need for a pervious concrete paving unit that allows water to permeate the soil has become increasingly important. With more and more paved areas such as streets, parking lots and sidewalks, rainwater has little opportunity to filtrate into the soil. Municipalities now require that stormwater runoff be managed and retained.

Hanover’s Permeable Paving Units allow for stormwater drainage, managing excessive runoff. Benefits of using permeable pavers are numerous.

- Erosion and stormwater runoff are reduced
- Land-use is increased
- Water quality is improved
- Drainage and Retention System costs are reduced
- Access for underground repairs is permitted

EcoGrid®

Sized at 11 3/4” x 11 3/4” x 4”, EcoGrid® provides 39% open space for drainage aggregate or soil for grass turf. EcoGrid® has the largest percentage of open space in the industry, allowing the most opportunity for water to permeate into the sub-soil and providing the maximum percolation that a normal drainage field system will accept. Stocked in Hanover’s Natural color, EcoGrid® interlocks for stability to support moderate vehicular traffic.
Aqua-Loc® is a 4 1/2" x 9" x 3" unit with a score to appear as two 4 1/2" x 4 1/2" x 3" pieces. Aqua-Loc® interlocks for stability. With open space for drainage aggregate, Aqua-Loc® provides the project with 10.6% open space allowing water to be infiltrated at a rate of 7" to 8" per hour based on proper installation methods. Made to order in a wide range of colors.
Permeable 4” x 9” (4 5/8” x 9 1/4”)

Produced with a 1/16” bevel and hidden spacers, the Permeable 4” x 9” meets standards set forth by the Americans with Disabilities Act (ADA). The Permeable 4” x 9” will provide the project with 6.94% open space allowing water to be infiltrated at a rate of 7” to 8” per hour based on proper installation methods.

Sized at 4 5/8” x 9 1/4”, the Permeable 4” x 9” is a true rectangle, providing the correct size ratio to create interlock stability. A 3” thickness allows for heavy low speed vehicular loads. The 4” x 9” can be produced in a variety of finishes and is available in Hanover’s full range of colors.

<table>
<thead>
<tr>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>3”</td>
<td>3.39</td>
<td>18.86</td>
<td>320</td>
<td>94.3</td>
<td>1414.5</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

*The Permeable 4” x 9” is not stocked. It is only available upon special request when quantities permit.
Permeable 4" x 9" Scored is not a stocked item.

Permeable 4" x 9" Scored

<table>
<thead>
<tr>
<th></th>
<th>thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
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<tr>
<td>4&quot; x 9&quot; Scored</td>
<td>3&quot;</td>
<td>-</td>
<td>-</td>
<td>376</td>
<td>92.08</td>
<td>1289.12</td>
<td>3180</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

*Permeable 4" x 9" Scored is not stocked. It is only available upon special request when quantities permit.

Permeable 3 1/4" x 18" is not a stocked item.

Permeable 3 1/4" x 18"

<table>
<thead>
<tr>
<th></th>
<th>thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 1/4&quot; x 18&quot;</td>
<td>4&quot;</td>
<td>2.46</td>
<td>-</td>
<td>140</td>
<td>56.91</td>
<td>1024.38</td>
<td>2462</td>
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</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

*Packaging information shown above is for Natural finish only. For other textures, packaging will vary.

*The Permeable 3 1/4" x 18" is not stocked. It is only available upon special request when quantities permit.

Permeable 4" x 9" Scored

Hanover’s Permeable 4" x 9" Scored is perfect for large driveways and parking areas. Because it is designed to be installed mechanically, installation time and costs are reduced. Pavers are laid layer by layer through the use of a machine increasing speed and efficiency. Each layer is composed of four different units to provide maximum interlock with a random appearance.

Permeable 3 1/4" x 18"

Produced with a 1/16" bevel and a 4" thickness, Hanover’s Permeable 3 1/4" x 18" is ADA Compliant. Minimal openings provide a comfortable walking surface while allowing for water percolation. The Suggested for pedestrian use only, the 3 1/4" x 18" is not a stocked item. Contact Hanover® for more information.
All shown in Canyon Blend
Hanover’s Garden and Landscape Walls can add beauty, charm and value to your landscaping. Walling can add so much to the landscaping theme. It adds detail and interest to the project, as well as, plant and bedding areas. Manufactured from high density concrete to obtain compressive strengths equal to natural stone, Hanover’s walls have low water absorption to ensure a long lasting installation. Hanover® has researched unique aggregate and color blending so that the pieces truly become natural stone walling.

Chapel Stone® Garden Walling

Chapel Stone® Garden Walling blends well with other styles of Hanover® Pavers to offer many design possibilities. The natural stone characteristics of the walling lend it to a large variety of uses — surrounding a patio, raising a flower bed, creating a low retaining wall, or building steps, walkways and paths. Hanover’s Chapel Stone® offers the look and feel of natural stone better than any other product.

Each stone has been faced, most having return ends for corners, and will lay neatly to save installation time. Both the homeowner and professional mason will appreciate the ease of wall construction. Chapel Stone® Garden Walling is available in Gray Blend, Tan Blend and Canyon Blend. Each pack will have random lengths and colors. Packaged either in 6” or 3” height, units be laid individually or mixed.

Chapel Stone® Garden Walling can be laid as a dry wall with no mortar or as a mortared wall with mortar joints. If a mortared system is used, weep holes along the bottom of the wall are required. A dry wall can be laid up to 3 feet high. Elevations beyond 3 feet require engineering design. See Installation Guidelines on pages 119-120. Chapel Stone® Garden Walling may be cleaned with masonry cleaners as necessary.

Chapel Stone® Wall Caps

Chapel Stone® Wall Caps can complete the installation. Produced in a 11 3/4” x 11 3/4” x 3” size, they are produced in Gray Blend, Tan Blend and Canyon Blend. Chapel Stone® Wall Caps are very versatile and can be used for many different applications.

Stocked Colors

<table>
<thead>
<tr>
<th>Color</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Blend</td>
<td><img src="image" alt="Gray Blend" /></td>
</tr>
<tr>
<td>Tan Blend</td>
<td><img src="image" alt="Tan Blend" /></td>
</tr>
<tr>
<td>Canyon Blend</td>
<td><img src="image" alt="Canyon Blend" /></td>
</tr>
</tbody>
</table>

Please note: The above photos are shown for color selections only; not for texture.

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per truck</th>
<th>s.f. per truck</th>
<th>lbs. per cubic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garden Walling</td>
<td>2 3/8 x 6”</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>30</td>
<td>420</td>
</tr>
<tr>
<td></td>
<td>5 5/8 x 6”</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>30</td>
<td>420</td>
</tr>
<tr>
<td>Wall Caps</td>
<td>3”</td>
<td>96</td>
<td>96</td>
<td>1248</td>
<td>3450</td>
<td></td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.
Chapel Stone®
Garden Walling

Shown in Tan Blend

Shown in Canyon Blend; Sealed with Hanover® Intensifying Sealer

Shown in Tan and Gray Blends
Split Faced Pillar Cap

Hanover's Split Faced Pillar Caps are stocked in a 30" x 30" x 2 1/2" size and three colors to blend with Chapel Stone® Garden Walls. The cap can also be special ordered in a 3" thickness.

Chapel Stone® Step Block

Available in color blends to match Chapel Stone® Garden Wall, Hanover's Chapel Stone® Step Block is sized at 23 5/8" x 35 5/8" x 5 5/8".
Chapel Stone® Radius

Chapel Stone® Radius allows the walling to bend and curve with the landscaping and architecture. Gentle arcs can be accomplished without the radius pieces, however, a tighter joint can be maintained using these wedge shaped stones. They are available in Tan Blend, Gray Blend and Canyon Blend and both the 3” and 6” heights. Each height is packaged separately with a random mix of the four angled shapes.

Stocked Colors

Please note: These photos are shown for color selections only; not for texture.

Garden Walling Radius pieces are shown in Tan Blend. The product is shown in full height 6” Chapel Stone®. These sizes are also available in half height 3”. Each height is packaged separately.

<table>
<thead>
<tr>
<th></th>
<th>Thickness</th>
<th>s.f. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garden Walling</td>
<td>2 3/16”</td>
<td>30</td>
<td>450</td>
<td>2925</td>
</tr>
<tr>
<td>Radius</td>
<td>5 5/8”</td>
<td>30</td>
<td>450</td>
<td>2925</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.
Chapel Stone® Pavers

Chapel Stone® Pavers create a bold paving design. With rocky and uneven top surfaces, they are perfect for the project that requires a more “rugged stone” appearance. With the vertical edges being true in size, they can be installed quickly and economically without the use of mortar. Sized at 6” x 12” x 4”, Chapel Stone® Pavers are available in Tan Blend and Gray Blend.

<table>
<thead>
<tr>
<th></th>
<th>thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per shop</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>pcs. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” x 12”</td>
<td>4”</td>
<td>2</td>
<td>-</td>
<td>132</td>
<td>66</td>
<td>924</td>
<td>3220</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

Please note: The above photos are shown for color selections only; not for texture.

Stocked Colors

Gray Blend  
Tan Blend

Chapel Stone® Paver  
6” x 12” x 4”

Chapel Stone® Paver is shown in Gray Blend.

Shown in Tan Blend

Shown in Tan and Gray Blends

Shown in Tan and Gray Blends
Hanover® Firepit Kits

Hanover® can now provide Firepit Kits. Two kits are available – a round Firepit Kit constructed with Chapel Stone® and a square Firepit Kit constructed with Ammon’s Wall®. Packaged on pallets Hanover® Firepit Kits allow you to quickly and easily beautify your backyard with a new firepit. Contents and available colors are shown to the right.

Stocked Colors

- Gray Blend
- Tan Blend
- Canyon Blend

Please note: These photos are shown for color selections only; not for texture.

Hanover® Firepit Kit Round - Chapel Stone®
48” outside diameter approx., 14” high approx.

Shown in Canyon Blend

Firepit Kit Round Contents:
- 13 Chapel Stone® Units
- 1 Stainless Steel Grate
- 1 Steel Insert
- 36 FireBrick (yellow bricks inside)
- 8 FireBrick Wedges
- 1 FireBrick 4 x 4
- 1 FireBrick 2 x 8

Concrete Adhesive is sold separately; 4 - 5 10 oz. tubers are needed per kit.

Stocked Colors

- Chocolate/Tan Blend
- Gettysburg Gray
- South Mountain Sand
- Salmon/Charcoal Blend

Please note: The above photos are shown for color selections only; not for texture.

Hanover® Firepit Kit Square - Ammon’s Wall®
48” square approx., 16” high approx.

Shown in South Mountain Sand

Firepit Kit Square Contents:
- 54 Ammon’s Wall® Units
- 1 Stainless Steel Grate
- 1 Steel Insert
- 40 FireBrick (yellow bricks inside)

Concrete Adhesive is sold separately; 4 - 5 10 oz. tubers are needed per kit.
Ammon’s Wall®

Sized at 8” x 12” x 4”, Hanover’s Ammon’s Wall® is a very versatile wall block. Blocks can be laid in any direction to create a natural random pattern. Building patterns are endless creating a unique wall with every installation. Ammon’s Wall® can be used to create decorative pillars, steps, garden or planter walls. Lights can easily be added on top of pillars or columns built with Ammon’s Wall®. Voids are created in the center of the pillar allowing electrical cords to be protected and hidden from view. Free standing walls are all enhanced by Ammon’s Wall® stones which are faced on both sides.

Produced and textured to capture the look and durability of natural stone, Ammon’s Wall® is stocked in four natural stone-like color blends. With only one size block, installation is quick and easy. When building an 8” or 12” wall, the block can also be used as a cap.

Stocked Colors

- Chocolate/Tan Blend
- Gettysburg Gray
- South Mountain Sand
- Salmon/Charcoal Blend

Please note: The above photos are shown for color selections only; not for texture.

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Face ft./cube</th>
<th>pcs./face ft.</th>
<th>pcs./cube</th>
<th>pcs./strap</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>8” x 12”</td>
<td>21.3 (12”)</td>
<td>32 (8”)</td>
<td>3 - 4.5</td>
<td>96</td>
<td>24</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules.

Please note: Ammon’s Wall® is sold by the piece; not by square foot.

21.3 face feet/cube is based on creating a 12” solid wall.

32 face feet/cube is based on creating a 8” solid wall.
Hanover® Prest® Pavers make the perfect addition to any home or landscape. They are ideal for sidewalks, patios, garden paths and pool decks. A paved area can blend with or contrast any surrounding area depending on the desired effect. Available in many colors and sizes, they provide the ability to create many interesting paving designs. Hanover® Prest® Pavers are manufactured to the highest standards in the industry. They are of superior quality for the finest of homes and bring a new design dimension to any project.

Prest® Pavers for the Home

Stocked Colors

Natural
Quarry Red
Limestone Gray
Tan

Made from quality raw materials, Hanover® Prest® Pavers are manufactured to the highest standards in the industry. The Tudor® finish is a natural, non directional, nonslip, stone-like texture. It gives the installation a special quality all its own. The available colors are shown to the right. Available in a 2” thickness and four sizes, they will lend interest and beauty to any project.

Prest® Pavers for the Home

Shown in Charcoal with a Tudor® finish
Sizes are packaged separately.
Shown in Limestone Gray and Charcoal, custom cutting required.
Prest® Pavers for the Home

Shown in Quarry Red

Shown in Natural and Limestone Gray

Shown in Tan
Stocked Colors

Tennessee Flagstone

BlueStone

Please Note: The color photos shown above are a representation of possible color blend and texture. The actual product may vary. Hanover's blended colors consist of several shades and will include some solid and some blended pieces.

24" x 24"

See chart below for available sizes.
Shown in BlueStone

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
<th>s.f. per pc.</th>
<th>s.f. per cube</th>
<th>s.f. per truck</th>
<th>lbs. per cube</th>
<th>pcs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot; x 12&quot;</td>
<td>1 3/4&quot;</td>
<td>1</td>
<td>100</td>
<td>100</td>
<td>2000</td>
<td>2200</td>
</tr>
<tr>
<td>12&quot; x 18&quot;</td>
<td>1 3/4&quot;</td>
<td>1.5</td>
<td>100</td>
<td>150</td>
<td>2100</td>
<td>3300</td>
</tr>
<tr>
<td>12&quot; x 24&quot;</td>
<td>1 3/4&quot;</td>
<td>2</td>
<td>50</td>
<td>100</td>
<td>2000</td>
<td>2200</td>
</tr>
<tr>
<td>18&quot; x 18&quot;</td>
<td>1 3/4&quot;</td>
<td>2.25</td>
<td>50</td>
<td>112.5</td>
<td>2025</td>
<td>2475</td>
</tr>
<tr>
<td>18&quot; x 24&quot;</td>
<td>1 3/4&quot;</td>
<td>3</td>
<td>25</td>
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<tr>
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<td>4</td>
<td>25</td>
<td>100</td>
<td>2000</td>
<td>2200</td>
</tr>
<tr>
<td>24&quot; x 36&quot;</td>
<td>1 3/4&quot;</td>
<td>6</td>
<td>25</td>
<td>150</td>
<td>2100</td>
<td>3300</td>
</tr>
</tbody>
</table>

Sizes shown are nominal. Products are made to fit metric modules. Sizes are packaged separately.

Please Note: Due to the irregular surface and square edges of the SlateFace® Paver, paver to paver surface will not always be flush. Height variance is typical and should be expected.

The SlateFace® Pavers shown to the right are sealed with Hanover® Intensifying Sealer. See page 114 for information about Hanover® Sealers.

SlateFace® Pavers for the Home

Continuing its focus on natural textures, Hanover® has included a SlateFace® Paver to the product line. This paver has been designed to reproduce the texture, color and appearance of natural slate. Its irregular top surface was developed from actual sections of stone. Although custom colors can be produced, the pavers are stocked in Hanover's own Bluestone and Tennessee Flagstone colors. By rotating the direction of the pavers during installation the natural effect is complete.

Hanover’s SlateFace® Pavers are available in several sizes ranging from 11 3/4" x 11 3/4" to 23 1/2" x 35 3/8". SlateFace® Pavers are stocked in a 1 3/4" thickness.
SlateFace® Pavers for the Home
Brickface Pavers for the Home

An attractive Brickface texture is manufactured in the nominal 24” x 24” and 18” x 18” size with a 1 3/4” thickness. This paver gives the appearance of a brick installation without installing individual brick pieces. Hanover’s Brickface Paver is stocked in Red 15.

Stocked Colors

Red 15

Sizes shown are nominal. Products are made to fit metric modules.
One advantage of concrete unit paving is the variety of shapes and sizes available. The correct product shape, size, and laying design selection are far more critical in a vehicular application than a pedestrian application. The size, shape, thickness of the paver, and the laying design are among the first considerations. The correct setting bed, base, edge restraint, and product are equally important. Each project is unique.

Part 2 consists of various technical information such as installation guidelines and designs, accessory information, frequently asked questions, and product and packaging information. This information is provided to make the ordering and installation process easier.

Whether you are creating a large driveway or a small garden walkway, Hanover® stands ready to assist you with any sized project. Our representatives will listen to your project ideas and explain the endless possibilities Hanover® has to offer.

109 Installation Guidelines for Prest® Brick and Prest® Pavers
110 Installation Designs
114 Tools and Accessories
115 Base Material Chart
116 Frequently Asked Questions
117 Efflorescence
118 Single vs. Double Mix
119 Installation Guidelines for Chapel Stone® Garden Walling
121 Product and Packaging Information
127 Notes
Installing Prest® Brick:
1. Remove the sod and soil to a depth of approximately 7 inches.

2. Replace the soil with approximately 4 inches of crusher run (compactible material which ranges in size from 3/4” to dust) for pedestrian and 6-8 inches of crusher run for low speed, residential vehicular applications. This will effect the depth of excavation. Compact and level the base, leaving a very slight grade away from the house. This provides a firm base for the pavers and water drainage from your home’s foundation. Compact the base and provide a slope of 1% to 2% (1/8” to 1/4”) away from foundation.

3. Now spread 1” coarse, angular sand conforming to ASTM C33 (ie: concrete sand, the type of sand used for the fabrication of concrete) over completed base using a straight edge to level. Work with as large of an area as possible at one time. Carefully level the setting bed for it will determine the success of your installation. Establish elevations so bricks lay 1/4” higher than the finished height. The tamping process which follows will create about a 1/4” surcharge. Now you are ready to install your Prest® Brick according to the design you have chosen. For best results, Prest® Brick can be installed from several cubes at one time. Take product from the ends rather than layer by layer.

4. Pavers should be installed maintaining a maximum 1/16” joint as provided by the spacer rib and must be contained by the use of an edge restraint placed along the perimeter. Spikes for the edge restraint should be installed into the compacted crusher run; not soil. Edge restraints are available from Hanover® Architectural Products. Once the bricks are laid in place and all cuts are finished, place the edge restraint around the installed pavers and then apply joint sand (sharp angular sand, concrete sand, or sand with joint stabilizer). Be sure there is sand over the surface of the bricks prior to using a vibrating plate compactor to prevent surface scratches as you vibrate the bricks into the sand bed. The final step is to sweep sand into the 1/16” open joints and vibrate a second time.

*For Low Speed Vehicular Applications Using Prest® Brick: Hanover® Prest® Brick can be used for low speed limited vehicular traffic where the frequency of vehicles is of low volume. The product style, thickness, laying design, setting bed, and base must be appropriate for the type of application. To help minimize pathing where vehicles travel over the same area continually, raking cement into the base approximately 6’ in front of the garage will help reduce the potential for pathing. Please contact a Hanover® representative for recommendations.

Installing Prest® Pavers:
Hanover® Prest® Pavers can be installed for a variety of residential and commercial pedestrian applications. They are ideal for patios, pool areas or walkways. A variety of sizes offers flexibility of the pavement design.

Pavers should be installed maintaining a maximum 1/8” joint and must be contained by the use of an edge restraint. To install Patio Pavers, SlateFace® Pavers or Brickface Pavers for residential use, follow the guidelines for Prest® Brick, except DO NOT tamp the pavers into place with a vibrating compactor. These pavers DO NOT require vibration. Also, none of the Prest® Paver styles are appropriate for any vehicular applications, regardless of the size of the vehicle or frequency of the traffic.

Commercial applications will require examination of the project requirements and the appropriate Prest® Paver size and thickness. Base preparation, edge restraint and their specifications are also important and must be given consideration. An architect, landscape architect and/or structural engineer should be consulted to develop a specification for the individual project.

Please Note:
Pavers with profiled tops are most susceptible to harm from plate compactors. These pavers have high and low points molded into the surface, which prevent the equipment from riding flat and subject the high points to potential scuffs. However, even smooth, flat surfaces can be harmed with improper usage or the existence of debris on the plate. To help minimize the scuffing of the profiled surface, it is important to have adequate sand on the surface prior to tamping. Hanover® recommends the use of a plate tamper with a rubber mat attachment.
**Prest® Paver Installation Designs**

- Basketweave
- Running Bond
- Stacked Bond
- SlateFace® Designs

**Appian® Installation Designs**

- 6" x 9" 90° Herringbone
- 6" x 9" 45° Herringbone
- 6" x 9" Running Bond
- 6" x 6" & 6" x 9" Appian® "D" 40% 6"x6", 60% 6"x 9" sf needed
- 6"x6" & 6"x9" 90° Herringbone 25% 6"x6", 75% 6"x9" sf needed
- 3"x6", 4"x6", 6"x6" Appian® Mixed* sizes are packaged together.
- Appian® Circle 1 cube = 1-11' circle or 2-8' circles also see page 74
- Appian® Fan approx. 5.5' width, 1 cube = 10 fans also see page 74

*These colors were used to help show the repeating design of the Appian® "K" and the Appian® Modified "K".

**For ease of installation, it is suggested that the 3" x 6" pieces be cut in half to create 3" x 3" pieces to fill any spaces created by the laying design.**

***The installation design shown may require adjustments to avoid running short of particular sizes. It may be necessary to alter the installation design to accommodate all of the sizes in the correct proportion to make use of all materials.***

**DO NOT use a Plate Compactor over Prest® Pavers installations.**
Serengeti® Stone Installation Designs

- 6” x 6” & 6” x 9” 90º Herringbone
  25% 6” x 6”, 75% 6” x 9” sf needed

- 6” x 9” 45º Herringbone

- 6” x 9” Running Bond
  40% 6” x 6”, 60% 6” x 9” sf needed

- 6” x 6” & 6” x 9” Appian™ “K”
  25% 6” x 6”, 75% 6” x 9” sf needed

- Serengeti® Grande™

The illustration shown represents a Serengeti® Grande installation with 25% of the 14” x 14” pieces (packaged separately) and 75% of the 9” x 14, 9” x 9” and 4 1/2” x 9” pieces (packaged together). These percentages are based on the total square feet installed. Modify the installation to suit individual preferences. This design is not exactly repeated or laid in any set repetitious design. A joint stabilizer may be used in the sand to prevent any sand from washing away.

Pavers with profiled tops are most susceptible to harm from plate compactors. These pavers have high and low points molded into the surface, which prevent the equipment from riding flat and subject the high points to potential scuffs. However, even smooth, flat surfaces can be harmed with improper usage or the existence of debris on the plate. To help minimize the scuffing of the profiled surface, it is important to have adequate sand on the surface prior to tamping. Hanover® recommends the use of a plate tamper with a rubber mat attachment.

Before ordering make sure you have selected the correct proportion of 12” x 12” pieces according to the effect you wish to achieve. For ease of installation, it may be necessary to cut the 4” x 8” piece in half to fill spaces which the laying design created. Hand spacing of the half piece may be needed to maintain joint alignment.

Halifax® Flagstone Installation Designs

- 8” x 12”, 8” x 8”, 4” x 8”
  Halifax® Flagstone Mixed

- Halifax® Flagstone Mixed and 12” x 12”

- Halifax® Flagstone 12” x 12” Running Bond

When installing, be sure that the point of the paver is facing away from you.

Pavers with profiled tops are most susceptible to harm from plate compactors. These pavers have high and low points molded into the surface, which prevent the equipment from riding flat and subject the high points to potential scuffs. However, even smooth, flat surfaces can be harmed with improper usage or the existence of debris on the plate. To help minimize the scuffing of the profiled surface, it is important to have adequate sand on the surface prior to tamping. Hanover® recommends the use of a plate tamper with a rubber mat attachment.

Before ordering make sure you have selected the correct proportion of 12” x 12” pieces according to the effect you wish to achieve. For ease of installation, it may be necessary to cut the 4” x 8” piece in half to fill spaces which the laying design created. Hand spacing of the half piece may be needed to maintain joint alignment.

Joints should be filled with a suitable polymeric sand which is specially formulated for the filling of wide joints when installing pavers. Unlike traditional sand, polymeric sand stays in place and remains stable; effectively resisting erosion caused by water, frost, wind, etc. Contact Hanover® for more information.
Traditional® Installation Designs

Olde Hanover® Installation Designs

Appian® Circle Installation Designs

An 11’ circle will require rotating of the Large Circle Stones as the Three Quarter Stones are limited. It is normal to have some extra pieces left when forming the Appian® Circle. With either the 11’ or 8’ circle, extra brick may still be left over.
**Appian® Fan Installation Designs**

- **Radius 1** 1 Starter Stone (ST)
- **Radius 2**
  - 1 Left Starter Stone (LS)
  - 1 Right Starter Stone (RS)
  - 1 Center Stone (CE)
- **Radius 3**
  - 1 Left Edge (LE)
  - 4 Large Center Stone (LC)
  - 1 Right Edge (RE)
- **Radius 4**
  - 1 Left Edge (LE)
  - 6 Large Center Stone (LC)
  - 1 Three Quarter Stone (3/4)
  - 1 Right Edge (RE)
- **Radius 5**
  - 1 Left Edge (LE)
  - 9 Large Center Stone (LC)
  - 2 Half Stone (1/2)
  - 1 Right Edge (RE)
- **Radius 6**
  - 1 Left Edge (LE)
  - 8 Large Center Stone (LC)
  - 6 Half Stone (1/2)
  - 2 Three Quarter Stone (3/4)
  - 1 Right Edge (RE)

Always begin with the Starter Stone and lay outward to Radius 2, 3, 4, 5, and 6.

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**PlankStone® Installation Designs**

- **Basketweave**
  - 2 7/8" x 23 1/2"
  - 2 7/8" x 17 5/8"
  - 2 7/8" x 8 13/16"

- **Running Bond**
  - 2 7/8" x 23 1/2", 2 7/8" x 17 5/8", 2 7/8" x 8 13/16"
  - 2 7/8" x 23 1/2"

- **90º Herringbone**
  - 2 7/8" x 23 1/2''

- **45º Herringbone**
  - 2 7/8" x 23 1/2''

* Running Bond and Herringbone designs can be achieved with any of the three PlankStone® sizes. PlankStone® is suggested for pedestrian use only.

DO NOT use a Plate Compactor over PlankStone® installations.
Hanover® Sealers

Unit pavers are designed to be a low maintenance investment. However, pavers may be sealed for preservation or color enhancement. A complete paver cleaning is suggested prior to sealing. Major stains must first be removed with specialized cleaner designed for the type of stain, followed by a cleaning of the entire area with a general cleaner. It is best to seal pavers soon after they have been thoroughly cleaned. Pavers and joints must be completely dry, clean and free of oil, grease, dust, dirt, sand, efflorescence and frost. It is advised that sealers not be applied when temperatures are below 50°F. Hanover® Sealers softly enhance or deepen color depending on type of sealer used. Sealers provide excellent protection from water, alkalis, acids, air borne pollutants and ultraviolet light, making pavers easier to clean.

Hanover® Natural and Intensifying Sealers will:

- enhance and sharpen color
- protect against oil and dirt penetration on paver surface
- make surface easy to clean
- reinforce joints by keeping sand in place
- minimize erosion and weed growth
- environmentally compliant

<table>
<thead>
<tr>
<th>Test/Agent</th>
<th>Duration</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric Acid</td>
<td>3 hours</td>
<td></td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
<td>24 hours</td>
<td></td>
</tr>
<tr>
<td>Motor Oil</td>
<td>24 hours</td>
<td>No effect. No damage to Sealer.</td>
</tr>
<tr>
<td>Vegetable Oil</td>
<td>24 hours</td>
<td></td>
</tr>
<tr>
<td>Formula 409®</td>
<td>24 hours</td>
<td></td>
</tr>
<tr>
<td>Magic Marker</td>
<td>4 days</td>
<td>Formula 409® removed mark. No damage.</td>
</tr>
</tbody>
</table>

Hanover® Edge 100, 200, 300 & 400

Hanover® Edge 100, Edge 200, Edge 300 and Edge 400 are one piece edge restraint systems designed to work with the interlock assembly and resist freeze thaw independent movement. Made from UV resistant 100% recycled material, Hanover’s edging will provide unit paver system interlock which is essential to a long lasting and stable paver installation.

All four Hanover® Edgers have been designed with a strength rib for incredible durability. Curves, radii and straight edges can all be achieved with one piece. For Edge 100 and 200, simply cut the back and flex to desired radius. Edge 300 and 400 do not require any cutting. By incorporating a lip, Hanover® Edge 200 utilizes the downward pressure of load and the weight of the pavers to tie the edging to the pavement. Edge 400 has a low profile design to accommodate thinner paving applications.

Hanover® Edging Spikes

Use with Hanover’s Edging Spikes for quick and simplified installation. With an open base, grass will grow through the voids in the edging and up to the paver edge. Hanover® Edgers are well suited for both commercial and residential applications.

Basic Tools

Hanover® can provide the basic tools needed to assist with paver installation and repairs such as paver extractors, pavers adjustors, rakes, brooms, etc.

Marking and Layout Tools

Hanover® can also supply tools to simplify any installation from permanent markers, templates, and scribes to steel stakes, laser levels and triangles.
Hammers
Hanover® can provide a series of hammers for stone and masonry. The hammers are available in different sizes and styles as well as different types of heads.

Splitters
In order to split concrete pavers and bricks, Hanover® can provide splitters for use on the job site. A perfect alternative to saw cutting, splitting pavers and bricks can simplify and expedite the cutting procedure. Manual splitters are available as well as an electric hydraulic splitter.

Sand Pull Standing Screed
Available from Hanover®, is the sand pull standing screed. Sand can be screeded standing up rather than on your knees increasing efficiency, comfort and safety. To be used with your existing screed rails and edge restraint or curbing, the sand pull standing screed increases ease and accuracy.

Paver Mobility Cart
To assist with moving pavers from one area of the job site to another, paver mobility carts are available from Hanover®. The carts have a carrying capacity of 880 lbs. and can be adjusted to fit most paver shapes and sizes.

Sand and Stone Base Materials Chart

<table>
<thead>
<tr>
<th>Project Square Feet</th>
<th>Coarse Sand Gradation - 3/4&quot; stone to dust</th>
<th>Compacted Base Gradation - 3/4&quot; stone to dust</th>
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<tbody>
<tr>
<td>1&quot;</td>
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</table>

Actual weight may vary due to type of materials, moisture content, and compaction. Calculation charts and formulas are provided as a service by Hanover® for estimating material requirements and is approximate.

Sand Stabilizer
Hanover® can provide a pre-mixed joint sand stabilizer for flexible and semi-rigid pavement systems. Pre-mixed joint stabilizers are activated with water and forms a natural polymer bond that binds the joint sand. The stabilizer activates with water and forms a natural, rubberized "glue" that binds the joint sand. It is excellent for concrete, clay/concrete brick or natural stone pavements. The sand stabilizer prevents sand loss due to wind, traffic, moisture or thermal movement, and it works in all climactic conditions.

Cleaner
For general cleaning purposes, Hanover® can provide a paver cleaner for post construction cleanup and the removal of efflorescence. It is recommended that a cleaner be used prior to sealing. See label for application instructions.
Frequently Asked Questions
for Pavers, Bricks and Garden Walling

Why use Hanover® concrete interlocking Prest® Brick? Hanover® Prest® Brick are produced on specially designed machinery which ensures an exact quality controlled process that produces paving brick of higher strength and durability than poured in-place concrete. Hanover® Interlocking Prest® Brick are manufactured as a single homogenous mix throughout; not a two mix system which has a top coat (see page 114). Hanover® Prest® Brick have a minimum average compressive strength of 8,000 psi, compared to poured-in-place concrete with an average of 3,000 psi (almost 3 times stronger), and have a lower absorption rate as well.

Hanover’s LAMININ® Paver Infusion Technology works to enhance the above referenced product performance values. See pages 14-15 or 114 for more information.

Hanover® Prest® Brick are the ideal product for freeze/thaw environments. With proper installation, this product provides a hard wearing and flexible surface. The joints between the pavement allow the walkway, driveway or patio to move without cracking. In addition, they can be "unzipped" to allow for repairs or easy access to utilities. Unlike asphalt, Hanover® Prest® Brick are virtually maintenance free and do not need to be regularly sealed or replaced.

Why are they called “interlocking” Prest® Brick? It is the combination of the installation system, together with the ratio between the thickness and the length and width of the Prest® Brick which makes them “Interlocking” – not the shape. When installed correctly over a base designed and properly prepared for the type of application and load bearing which the installation is intended to carry, the combination of the Prest® Brick, bedding sand, edge restraint and joint sand causes them to interlock, allowing the individual pieces to work as a unified, flexible pavement.

How does the “interlocking” system work? Hanover® Prest® Brick are placed over a leveling course (see manufacturer’s installation guidelines), which is over a compacted aggregate base. The thickness of the base will vary depending on the purpose of the application. The Prest® Brick are retained at the outside perimeter of the project using edge restraints. Edge restraints such as plastic edging and concrete curbs are recommended. Once the Prest® Brick are placed and restrained, the interlocking process may begin. Coarse, angular sand is swept into the joints and over the Prest® Brick. The Prest® Brick are compacted and may take 1 or 2 passes before the full interlock can be achieved. After compaction, the project is ready for use. Sweeping and cleaning of the area will be necessary. (See installation guidelines for more details.)

How do Hanover® Prest® Brick compare with “patterned” or “stamped” concrete? Patterned concrete pavements are merely large sections of poured-in-place concrete that have been embossed with a design. Therefore, they are prone to the same problem freeze/thaw cycles (ie. cracking and spalling), lower strengths and higher absorption rates as poured-in-place concrete. Hanover® Prest® Brick permit a flexible, breathable surface, working with nature. In addition, stamped concrete requires expansion joints every 10 feet or so, which can be very distracting. Also, patterned concrete pavements don’t allow access to underground utilities or the ability to make repairs. At practically the same price per square foot installed, Hanover® Prest® Brick are clearly the best choice.

How long will my installation last? Installed properly, Hanover® Prest® Brick will out perform poured-in-place concrete, stamped concrete and patterned asphalt by many years.

How long will it take for my project to be installed? Less time than you might think. The average home patio can be installed in one weekend. Hanover® Prest® Brick make the job simple and easy. Being a mortarless system, a lot of extra work and mess are eliminated.

After installation, will weeds grow from underneath my patio or driveway? Once complete, the installation will not permit seeds to germinate from beneath the Prest® Brick. However, weeds and grass could result from seeds or spores blowing into and lodging in the joint sand. Polymeric Sand can be used which will deter weed growth and insect infestation. If weeds do appear, a spot weed killer can be used seasonally and will not damage the Prest® Brick.

Will the colors fade from the Prest® Brick? Hanover® Prest® Brick are made with the highest quality pigment and have color completely throughout each unit. However, the extreme effects of the sun and elements work against all building materials. Over the years, it is possible to see the colors mellow as they age.

Hanover’s LAMININ® Paver Infusion Technology helps protect against the extreme effects of the sun and other natural elements to maintain more vibrant colors. See pages 14-15 and 114 for more information.

Can I add on to my project at a later time? One great reason for using Hanover® Prest® Brick is because you can easily add to any type of project. All you need to do is to take up the existing edge restraint and a few rows of Prest® Brick. Prepare the base and setting bed for the new section. As you add the new units, blend the new brick with the old of the existing section. This will help reduce any variance of the existing colors.

Should I seal my project? Hanover® Prest® Bricks are manufactured to be durable and long lasting. The use of the protective sealant is optional and can add value to your concrete unit pavers. Hanover® Sealers provide color enhancement in conjunction with the protection already provided by LAMININ™. Applying Hanover® Sealer can help minimize the penetration of stains, i.e., coffee, soda, grease, oil, tire marks, etc. Sealer can also protect the pavers from environmental conditions, such as, acid rains and extreme UV exposure. It can also help to minimize weed germination in the joint sand and enhance the colors of the pavers. Hanover® Sealers are a topical applied product and come in a variety of treatments from wet look to natural. As with any sealing application, reapplication will become necessary based on amount of use, exposure, etc.
Can I install Prest® Brick over an existing concrete walkway or patio? While this is not the preferred method, your installation can be laid over top of existing concrete walkways, providing there is not substantial heaving in the existing area. Several other issues need to be addressed. First, the grade will need to be raised by about 3" (the thickness of the bricks plus bedding sand or bonding agent). This is particularly critical if any doorways are involved. Second, remember that if the existing concrete slab should raise or drop with freeze/thaw conditions, the bricks will do the same.

How can I remove snow without damaging the installation? For most residential applications, conventional methods of snow removal are acceptable (ie. shoveling or snow blowing). Care should be taken to make sure the skid plates are set to maintain a clearance between the snowblower and the bricks so as not to scratch the bricks. Please note, the use of heavy snow removal equipment may damage your brick or the installation. Ice melting chemical products which do not contain calcium chloride are recommended for use.

What is the white film on my bricks and will it go away? The white film, known as efflorescence, is normal for masonry products and it may appear on the surface of the Prest® Brick. It may not occur at all. Hanover's LAMININ® substantially reduces efflorescence. However, under normal conditions, minor efflorescence might become visible. If it does, it is not permanent and will disappear over time. It may appear randomly or only in certain areas. It is a natural occurrence from the cement hydration process. Calcium oxide from the cement reacts with water inside the bricks and forms calcium hydroxide. This seeps to the surface and reacts with the carbon dioxide in the air to form calcium carbonate, a whitish residue. When moisture on the surface evaporates, it becomes visible. It will wash off or wear off over time. If you wish to speed up the natural process, there are cleaners available that are designed to remove efflorescence.

How high can I build a garden landscape wall? For most garden landscape walls, the maximum height is 3' when measured from the top of the footing. With proper engineering and construction, walls over 20' can be built.

Efflorescence

What is Efflorescence? It is a whitish powder-like deposit which sometimes appears on concrete or clay products. The deposit is the residue of a soluble salt carried to the face of the product by moisture and left on the surface as a dry powder following evaporation of the moisture. The phenomenon was reported on as early as the 1870’s. Efflorescence of itself in no way affects structural integrity.

Where do the salts come from? The salts are found in either the native soil, the gravel base or in the sand, stone or cement used to manufacture the paving stones.

How does it happen? These salts dissolve in either the ground water, rain water or water added to mix the concrete. The salt moves upward with the moisture to the drying surface by capillary action. In the basement walls, this capillary action has been measured to be as much as 600 mm. Because the sun evaporates the moisture at the surface, this capillary wicking action continues to draw moisture from below. The efflorescence continues until either the salt or moisture supply has been exhausted.

LAMININ® works to substantially reduce efflorescence. Hanover® Pavers manufactured with LAMININ® have an extremely low water absorption rate which substantially reduces the effects of efflorescence.

How is it removed? Efflorescence will wash and wear off in the course of time. The recommended procedure is to allow this natural process to take place.

However, if you would like to speed up the process, it can be removed by washing the pavers in a mild cleaning solution. (Cleaning solutions can be purchased from your Hanover® distributor - be sure to follow manufacturer’s instructions since the cleaners can be harmful). A small unobtrusive area should be treated first to ensure results are acceptable since the cleaning solution may expose aggregate on the paver’s surface leading to a lessening of the color mass.

No responsibility can be accepted by the paving stone manufacturers for efflorescence since any normal concrete contains calcium hydroxide which is inevitable when cement and/or lime and water are mixed together. Calcium hydroxide combines with carbon dioxide in the air to form calcium carbonate which then appears as a whitish deposit, efflorescence.
The performance ability and product strength of a concrete paver, especially when these products are valued for their structural and aesthetic qualities, need to be considered. For over 38 years Hanover® has been manufacturing Prest® Brick using a single homogenous mix design. It is our belief that high quality at a fair price will sustain far longer than a lower quality, more economical product.

The concept behind double mix systems is logical. Put the color and/or aggregates in just the top surface of the paver, and only where the customer can see, thus saving money. What is compromised is the product’s integrity from the standpoint of compressive strength, absorption and it’s ability to withstand de-icing salts and freeze/thaw cycles. Delamination, facial crumbling of the pavers and/or total paver failure may occur.

Concrete pavers made with homogenous mix designs provide much greater resistance to weather and loading, yielding high compressive strength and low absorption. When comparing Hanover® Prest® Brick to other brands, Hanover® consistently meets or exceeds all industry standards. With regards to the concrete paver industry, Hanover® continues to raise the bar.

What is LAMININ®?
LAMININ® Paver Infusion Technology is a revolutionary new manufacturing technology that infuses Hanover® pavers from the inside out. LAMININ® lays the foundation to actively influence the adhesion of concrete molecules and increases the performance of Hanover’s already proven concrete pavers. Concrete molecules are bonded together to strengthen and maintain the highest quality concrete pavers in the industry.

For years, acid rain, ultraviolet light and efflorescence have been a detriment to the appearance and longevity of concrete unit pavers. Developed by Hanover® Architectural Products, LAMININ® will protect against acid rain and ultraviolet light to keep Hanover® Pavers looking vibrant and new for years to come. With an extremely low water absorption rate, efflorescence is substantially reduced.

Hanover® concrete pavers with LAMININ® Paver Infusion Technology will provide:

- Substantial reduction of efflorescence
- Low water absorption
- Protection from acid rain
- Resistance to UV damage
- Bright, vibrant color
- Low maintenance
- Long lasting installation
- Improved stain resistance

What LAMININ® DOES?
LAMININ® Paver Infusion Technology will dramatically add protection, life and lasting value to Hanover’s concrete paver product line. Hanover® Pavers are manufactured as a single homogenous mix with average compressive strengths exceeding ASTM C936. The high performance of LAMININ® Paver Infusion Technology will defend against natural elements such as:

- Acid rain
- Alkalis
- Efflorescence
- Ultraviolet Light
- Oil and Food Stains

LAMININ® is NOT a top surface treatment. Common top surface treatment processes do not address ultraviolet light, efflorescence or acid rain. Hanover® LAMININ® Paver Infusion Technology is a revolutionary new manufacturing technology that infuses Hanover® Pavers from the inside out.

Hanover® Pavers with LAMININ® have been independently tested. For more information about Hanover’s LAMININ® Paver Infusion Technology, visit www.hanoverpavers.com or contact a Hanover® Sales Representative.
1. Calculate wall materials needed. Determine the square footage of the wall by multiplying length by the height.
2. Prepare the footing. Dig a trench 16” wide and 3 - 6” below grade. The height of the wall will determine the number of units to bury. As a rule of thumb, you will bury 1” of block for every 8” of exposed wall height. Add 8” for the depth of the base material. Make sure the soil is well compacted to prevent settling. Add a level, compacted layer of crusher run (compactible material which ranges in size from 3/4” to fines) as a footing.
3. Install the base course. Position the units side by side on prepared base. Along the back of the block, level the units with a carpenter’s level from front to back and side to side. Use a string line to verify straightness.
4. Install additional courses. Place the next course and additional courses of Chapel Stone® Garden Walling in such a fashion that each block bridges two units below (Running Bond Pattern). Follow installation guidelines shown to the right.

Geogrid Soil Reinforcement Notes:
1. Pull Geogrid taut and anchor prior to backfill placement over Geogrid.
2. Geogrid reinforcement shall be continuous throughout the embedment length. 100% coverage shall be provided at each level.
3. Geogrid extends min. 8” over the Chapel Stone and shall be bonded to the stone.
4. Apply adhesive to both sides of Geogrid to insure proper bond to both courses.

Reinforced Backfill Notes:
1. Use #57 stone for backfill, or larger as per the geotechnical report prepared by specialized engineering, file no. 063503, dated Oct. 18, 2006.
2. Place reinforced backfill in 6” lifts.
3. Compact reinforced backfill to 95% of maximum dry density as determined by modified proctor tests, ASTM D-1557.
4. Tracked compaction equipment shall not be used directly on Geogrid reinforcement. A min. thickness of 6” of reinforced backfill is required above Geogrid to utilize tracked compaction equipment.
5. Only small vibratory hand operated rollers or walk behind rollers or equipment shall be allowed within 5’ of the wall.

Please Note: Maximum height for Chapel Stone® Garden Walling is 3’ or 36”. Heights above 3’ require engineering design.
Constructing Chapel Stone® Steps:

1. Stair width, length and rise should be determined prior to beginning. Compact existing subgrade if area has been excavated. Be sure disturbed soils are stabilized. Place compacted gravel over compacted subgrade. Screed bedding sand (maximum 3/4”).

2. Work from the bottom step to the top step. Install first course or step. Install the next layer of compacted gravel base behind the first course. Install the second course of Garden Wall or second step. Use a concrete bonding agent to adhere the second course to the first. Keep in mind when settling this course that you need to allow for the proper tread depth dimension. Continue this procedure for the desired number of courses or steps.

3. After all courses of Garden Walling are in place, your steps are complete.

Please Note: A variety of Hanover® products such as Chapel Stone® Wall Caps, Appian® 6” x 6” and 6” x 9” brick, as well as other sizes and styles can be incorporated into the step construction for added detail. If these are used, they should be bonded to the Garden Walling units which are beneath them using a concrete bonding agent. It is important to allow a cure time for the bonding agent and to stabilize the units while curing.

*All overlapping courses should be adhered with concrete bonding agent.

Installing Ammon’s Wall®:

1. Determine the length(L), height(H) and depth of your wall. Will you be constructing a wall with a depth 8” or 12”?

2. Calculate wall materials needed.

For an 8” wall:

$$ \frac{L \times H}{3} = \text{pcs. needed} $$

For an 12” wall:

$$ \frac{L \times H}{4.5} = \text{pcs. needed} $$

3. Prepare the footing. Dig a trench 16” wide and 3” - 6” below grade. The height of the wall will determine the number of units to bury. As a rule of thumb, you will bury 1” of block for every 8” of exposed wall height. Add 4” for the depth of the base material. Make sure the soil is well compacted to prevent settling. Add a level, compacted layer of crusher run (compactible material which ranges in size from 3/4” to fines) as a footing.

4. Install the base course. Position the units side by side on prepared base. Along the back of the block, level the units with a carpenter’s level from front to back and side to side. Use a string line to verify straightness.

5. Install additional courses. Attempt to offset joints of units for maximum design strength. Ammon’s Wall® should be installed in a random pattern. When constructing seat walls, columns or free standing walls, be sure to adhere each course with a bonding agent. When constructing a low garden wall, bonding is not necessary but is suggested. Shims may be occasionally needed for leveling blocks. Maximum wall height for Ammon’s Wall® when used as a garden wall is 36” or 3’ assuming normal conditions. Elevations beyond 3’ require engineering design. Certain conditions might reduce the maximum wall height such as soil that does not drain well, a slope behind the wall or a nearby structure. To complete the installation, adhere the top course with concrete bonding agent.

*When constructing seat walls, columns or free standing walls, be sure to adhere each course with a concrete bonding agent. When constructing a low garden wall, bonding is not necessary but is suggested.

The detail above shows a wall with a 12” depth using two Ammon’s Wall® units to create a cap with an overhang. When constructing a wall with an 8” depth, use one piece turned in the opposite direction to create a cap with overhang. Maximum wall height for Ammon’s Wall® when used as a garden wall is 36” or 3’ assuming conditions.

Please Note: Ammon’s Wall® is sold by the piece; not the square foot. 21.3 face feet/cube (4.5 pcs/face ft.) is based on creating a 12” solid wall. 32 face feet/cube (3 pcs/face ft.) is based on creating an 8” solid wall.
<table>
<thead>
<tr>
<th>Product</th>
<th>Actual Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>cubes/s.f. per truck</th>
<th>lbs. per cube</th>
<th>Brick Colors</th>
<th>Limestone Gray</th>
<th>Natural</th>
<th>Quarry Red</th>
<th>Tan</th>
<th>Chocolate/Tan Blend</th>
<th>Natural/Charcoal Blend</th>
<th>Red/Charcoal Blend</th>
<th>Salmon/Charcoal Blend</th>
<th>Tan/Charcoal Blend</th>
<th>South Mountain Sand</th>
</tr>
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<tbody>
<tr>
<td>Traditional® 4 x 4</td>
<td>3 7/8&quot; x 3 7/8&quot;</td>
<td>3&quot;</td>
<td>9.38</td>
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<td>Chocolate</td>
<td>Natural</td>
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<td>Tan</td>
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<td>Red/Charcoal Blend</td>
<td>Salmon/Charcoal Blend</td>
<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
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<tr>
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<td>1 1/2&quot;</td>
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<td>24.89</td>
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<td>149.34</td>
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<td>Red 15</td>
<td>Tan</td>
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<td>Salmon/Charcoal Blend</td>
<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>2 3/8&quot;</td>
<td>4.5</td>
<td>20</td>
<td>540</td>
<td>120</td>
<td>14/1680</td>
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<td>Chocolate</td>
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<td>South Mountain Sand</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>3&quot;</td>
<td>4.5</td>
<td>16</td>
<td>432</td>
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<td>Chocolate</td>
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<td>Red 15</td>
<td>Tan</td>
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<td>Traditional® 4 1/2 x 9</td>
<td>4 7/16&quot; x 8 15/16&quot;</td>
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<td>17.63</td>
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<td>Chocolate</td>
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<td>Traditional® 8 x 8</td>
<td>7 7/8&quot; x 7 7/8&quot;</td>
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<td>17.78</td>
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<td>15/1600.2</td>
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<td>Chocolate</td>
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<td>Tan</td>
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<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
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</tr>
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<td>3&quot;</td>
<td>2.25</td>
<td>14.22</td>
<td>192</td>
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<td>2980</td>
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<td>Chocolate</td>
<td>Natural</td>
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<td>Tan</td>
<td>Natural/Charcoal Blend</td>
<td>Red/Charcoal Blend</td>
<td>Salmon/Charcoal Blend</td>
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<td>South Mountain Sand</td>
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</tr>
<tr>
<td>Traditional® 6 x 6</td>
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<td>480</td>
<td>120</td>
<td>14/1680</td>
<td>3240</td>
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<td>Chocolate</td>
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<td>Red 15</td>
<td>Tan</td>
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<tr>
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<td></td>
<td>3&quot;</td>
<td>4</td>
<td>12</td>
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<td>Red/Charcoal Blend</td>
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<td>South Mountain Sand</td>
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<tr>
<td>Traditional® 6 x 12</td>
<td>5 7/8&quot; x 11 3/4&quot;</td>
<td>2 3/8&quot;</td>
<td>2</td>
<td>30</td>
<td>240</td>
<td>120</td>
<td>14/1680</td>
<td>3240</td>
<td>Charcoal</td>
<td>Chocolate</td>
<td>Natural</td>
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<td>Tan</td>
<td>Natural/Charcoal Blend</td>
<td>Red/Charcoal Blend</td>
<td>Salmon/Charcoal Blend</td>
<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
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<td></td>
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<td>3&quot;</td>
<td>2</td>
<td>24</td>
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<td>14/1344</td>
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<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>4&quot;</td>
<td>2</td>
<td>18</td>
<td>144</td>
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<td>14/1008</td>
<td>3310</td>
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<td>Chocolate</td>
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<td>Red 15</td>
<td>Tan</td>
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<td>Red/Charcoal Blend</td>
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</tr>
<tr>
<td>Traditional® 12 x 12</td>
<td>11 3/4&quot; x 11 3/4&quot;</td>
<td>2 3/8&quot;</td>
<td>1</td>
<td>30</td>
<td>120</td>
<td>120</td>
<td>13/1560</td>
<td>3350</td>
<td>Charcoal</td>
<td>Chocolate</td>
<td>Natural</td>
<td>Red 15</td>
<td>Tan</td>
<td>Natural/Charcoal Blend</td>
<td>Red/Charcoal Blend</td>
<td>Salmon/Charcoal Blend</td>
<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>3&quot;</td>
<td>1</td>
<td>24</td>
<td>96</td>
<td>96</td>
<td>14/1344</td>
<td>3360</td>
<td>Charcoal</td>
<td>Chocolate</td>
<td>Natural</td>
<td>Red 15</td>
<td>Tan</td>
<td>Natural/Charcoal Blend</td>
<td>Red/Charcoal Blend</td>
<td>Salmon/Charcoal Blend</td>
<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
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</tr>
<tr>
<td>Bullnose Coping</td>
<td>5 7/8&quot; x 12&quot;</td>
<td>2 3/8&quot;</td>
<td>2</td>
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<td>180</td>
<td>90</td>
<td>20/1800</td>
<td>2210</td>
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<td>Chocolate</td>
<td>Natural</td>
<td>Red 15</td>
<td>Tan</td>
<td>Natural/Charcoal Blend</td>
<td>Red/Charcoal Blend</td>
<td>Salmon/Charcoal Blend</td>
<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
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</tr>
<tr>
<td>PlankStone®</td>
<td>2 7/8&quot; x 23 1/2&quot;</td>
<td>4&quot;</td>
<td>2</td>
<td>-</td>
<td>70</td>
<td>35</td>
<td>28/980</td>
<td>1596</td>
<td>Charcoal</td>
<td>Chocolate</td>
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<td>Red 15</td>
<td>Tan</td>
<td>Natural/Charcoal Blend</td>
<td>Red/Charcoal Blend</td>
<td>Salmon/Charcoal Blend</td>
<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
<td></td>
</tr>
<tr>
<td>PlankStone®</td>
<td>2 7/8&quot; x 17 5/8&quot;</td>
<td>4&quot;</td>
<td>2.67</td>
<td>-</td>
<td>140</td>
<td>52.43</td>
<td>19/996.17</td>
<td>2370</td>
<td>Charcoal</td>
<td>Chocolate</td>
<td>Natural</td>
<td>Red 15</td>
<td>Tan</td>
<td>Natural/Charcoal Blend</td>
<td>Red/Charcoal Blend</td>
<td>Salmon/Charcoal Blend</td>
<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
<td></td>
</tr>
<tr>
<td>PlankStone®</td>
<td>2 7/8&quot; x 8 15/16&quot;</td>
<td>4&quot;</td>
<td>5.33</td>
<td>-</td>
<td>280</td>
<td>52.53</td>
<td>19/998.07</td>
<td>2420</td>
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<td>Chocolate</td>
<td>Natural</td>
<td>Red 15</td>
<td>Tan</td>
<td>Natural/Charcoal Blend</td>
<td>Red/Charcoal Blend</td>
<td>Salmon/Charcoal Blend</td>
<td>Tan/Charcoal Blend</td>
<td>South Mountain Sand</td>
<td></td>
</tr>
</tbody>
</table>

Please Note: Sizes and dimensions shown are approximate. Most products are made to lay even metric modules. The product information was correct at the time of printing. When placing an order, please check with your Hanover® representative to confirm appropriate information in case of changes.
<table>
<thead>
<tr>
<th>Product</th>
<th>Actual Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>cubes/s.f. per truck</th>
<th>lbs. per cube</th>
<th>Charcoal</th>
<th>Chocolate</th>
<th>Limestone Gray</th>
<th>Natural</th>
<th>Quarry Red</th>
<th>15 Tan</th>
<th>Chocolate/Charcoal Blend</th>
<th>Red/Charcoal Blend</th>
<th>Red/Charcoal/Charcoal Blend</th>
<th>Natural/Charcoal Blend</th>
<th>Stocked Colors</th>
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<tbody>
<tr>
<td>Appian® 6 x 6</td>
<td>6 1/4&quot; x 6 1/4&quot; (A)</td>
<td>2 3/8&quot;</td>
<td>3.64</td>
<td>13.75</td>
<td>350</td>
<td>96.25</td>
<td>16/1540</td>
<td>2795</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>3.64</td>
<td>10.99</td>
<td>280</td>
<td>76.93</td>
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<tr>
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<td>103.5</td>
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<td>82.80</td>
<td>15/1242</td>
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<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Appian® Mixed</td>
<td>6 1/4&quot; x 6 1/4&quot; (A) 4 3/8&quot; x 6 1/4&quot; (B) 3 1/8&quot; x 6 1/4&quot; (C) sizes packaged together</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>150 (A)</td>
<td>210 (A)</td>
<td>120 (C)</td>
<td>2865</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td></td>
<td></td>
<td>3&quot;</td>
<td>-</td>
<td>-</td>
<td>120 (A)</td>
<td>168 (B)</td>
<td>96 (C)</td>
<td>2865</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Appian® Circle</td>
<td>1 cube contains 1 - 11' circle or 2 - 8' circles</td>
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<td>108</td>
<td>15/1620</td>
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<td>●</td>
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<td>Appian® Fan</td>
<td>5 5/8&quot; Width approximately 1 cube contains 10 fans</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>500</td>
<td>93</td>
<td>17/1581</td>
<td>2640</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Appian® Random</td>
<td>9 3/4&quot; x 9 3/4&quot; (A) 6 1/4&quot; x 9 3/4&quot; (B) 6 1/4&quot; x 6 1/4&quot; (C) 3 1/8&quot; x 6 1/4&quot; (D) sizes packaged together</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>60 (A)</td>
<td>60 (A)</td>
<td>90 (C)</td>
<td>2575</td>
<td>●</td>
<td>●</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>3&quot;</td>
<td>-</td>
<td>-</td>
<td>90 (D)</td>
<td>90 (D)</td>
<td>80.8</td>
<td>17/1373.6</td>
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<td>●</td>
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<tr>
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<td>3&quot;</td>
<td>2.5</td>
<td>-</td>
<td>360 (A+B)</td>
<td>72</td>
<td>17/1224</td>
<td>2595</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>4 7/16&quot; x 8 7/8&quot;</td>
<td>2 3/8&quot;</td>
<td>3.62</td>
<td>22.1</td>
<td>400</td>
<td>110.5</td>
<td>15/1657.5</td>
<td>3070</td>
<td>●</td>
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<td>●</td>
<td>●</td>
<td>●</td>
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<td>●</td>
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<td>●</td>
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<td>Patriot®</td>
<td>Overall length 8 1/16&quot;</td>
<td>2 3/8&quot;</td>
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<td>-</td>
<td>400</td>
<td>107.3</td>
<td>15/1609.5</td>
<td>3030</td>
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<td>●</td>
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<td>●</td>
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<td>-</td>
<td>350</td>
<td>93.83</td>
<td>14/1313.62</td>
<td>3265.5</td>
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<td>Patriot® Edger</td>
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<td>2 3/8&quot;</td>
<td>-</td>
<td>21.46</td>
<td>400</td>
<td>107.3</td>
<td>19/2038.7</td>
<td>2330</td>
<td>●</td>
<td>●</td>
<td>●</td>
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</tr>
<tr>
<td>Hexagonal</td>
<td>with Square Edge 8&quot; across flats</td>
<td>2&quot;</td>
<td>2.6</td>
<td>-</td>
<td>300</td>
<td>115.4</td>
<td>16/1846.4</td>
<td>2750</td>
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<td>●</td>
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<tr>
<td></td>
<td>with Bevel 7 15/16&quot; across flats</td>
<td>2 3/8&quot;</td>
<td>2.64</td>
<td>-</td>
<td>240</td>
<td>90.9</td>
<td>17/1545.3</td>
<td>2600</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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</tr>
<tr>
<td></td>
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<td>3&quot;</td>
<td>2.64</td>
<td>-</td>
<td>192</td>
<td>72.72</td>
<td>18/1308.96</td>
<td>2522</td>
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<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>7&quot; Triad</td>
<td>7&quot;</td>
<td>3&quot;</td>
<td>4.46</td>
<td>-</td>
<td>384</td>
<td>86.10</td>
<td>16/1377.6</td>
<td>2860.8</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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= Standard Brick Colors with Natural Finish  = Blended Brick Colors with Natural Finish  ● = Stocked Colors
<table>
<thead>
<tr>
<th>Product</th>
<th>Actual Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per s.t.</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>cubes/s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appian® 6 x 6 Tumbled Finish</strong></td>
<td>6 1/4&quot; x 6 1/4&quot;</td>
<td>2 3/8&quot;</td>
<td>3.64</td>
<td>13.75</td>
<td>350</td>
<td>96.25</td>
<td>16/1540</td>
<td>2795</td>
</tr>
<tr>
<td><strong>Appian® 6 x 9 Tumbled Finish</strong></td>
<td>6 1/4&quot; x 9 3/4&quot;</td>
<td>2 3/8&quot;</td>
<td>2.42</td>
<td>20.7</td>
<td>250</td>
<td>103.5</td>
<td>15/1562.5</td>
<td>2965</td>
</tr>
<tr>
<td><strong>Appian® Mixed Tumbled Finish</strong></td>
<td>6 1/4&quot; x 6 1/4&quot; (A)</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>150</td>
<td>(A)</td>
<td>16/1540</td>
<td>2865</td>
</tr>
<tr>
<td></td>
<td>4 3/8&quot; x 6 1/4&quot; (B)</td>
<td></td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>120</td>
<td>(C)</td>
<td></td>
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<tr>
<td></td>
<td>3 1/8&quot; x 6 1/4&quot; (C)</td>
<td></td>
<td></td>
<td></td>
<td>384</td>
<td>(A+B+C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3&quot;</td>
<td></td>
<td>-</td>
<td>-</td>
<td>120</td>
<td>(A)</td>
<td>17/1373.6</td>
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<td></td>
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<td></td>
<td>(B)</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td>(C)</td>
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<tr>
<td>Appian® Circle Tumbled Finish</td>
<td>1 cube contains</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>530</td>
<td>108</td>
<td>15/1620</td>
<td>3080</td>
</tr>
<tr>
<td></td>
<td>1 - 11' circle or</td>
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<tr>
<td></td>
<td>2 - 8' circles</td>
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<tr>
<td>Appian® Fan Tumbled Finish</td>
<td>5 5/8&quot; Width</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>500</td>
<td>93</td>
<td>17/1581</td>
<td>2640</td>
</tr>
<tr>
<td></td>
<td>approximately</td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td>1 cube contains</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 fans</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Appian® Random Tumbled Finish</td>
<td>9 3/8&quot; x 9 3/8&quot; (A)</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>56</td>
<td>(A)</td>
<td>19/1748</td>
<td>2352</td>
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<tr>
<td></td>
<td>6 1/4&quot; x 9 3/8&quot; (B)</td>
<td></td>
<td></td>
<td></td>
<td>56</td>
<td>(B)</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>6 1/4&quot; x 6 1/4&quot; (C)</td>
<td></td>
<td></td>
<td></td>
<td>84</td>
<td>(C)</td>
<td></td>
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<tr>
<td></td>
<td>3 1/8&quot; x 6 1/4&quot; (D)</td>
<td></td>
<td></td>
<td></td>
<td>84</td>
<td>(D)</td>
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<tr>
<td></td>
<td>sizes packaged together</td>
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<td></td>
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<td></td>
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<tr>
<td>Bullnose Coping Tumbled Finish</td>
<td>5 7/8&quot; x 12&quot;</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>180</td>
<td>90</td>
<td>20/1800</td>
<td>2210</td>
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<tr>
<td>Serengeti® Grande</td>
<td>14 1/8&quot; x 14 1/8&quot;</td>
<td>3&quot;</td>
<td>72</td>
<td>22.24</td>
<td>48</td>
<td>66.72</td>
<td>20/1334.4</td>
<td>2300</td>
</tr>
<tr>
<td></td>
<td>packaged separately</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>9 3/8&quot; x 14 1/8&quot; (A)</td>
<td></td>
<td></td>
<td></td>
<td>32</td>
<td>(A)</td>
<td>17/1241</td>
<td>2610</td>
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<tr>
<td></td>
<td>9 3/8&quot; x 9 3/8&quot; (B)</td>
<td></td>
<td></td>
<td></td>
<td>48</td>
<td>(B)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 3/8&quot; x 9 3/8&quot; (C)</td>
<td></td>
<td></td>
<td></td>
<td>48</td>
<td>(C)</td>
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<td></td>
<td>sizes packaged together</td>
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</tr>
<tr>
<td></td>
<td>3&quot;</td>
<td></td>
<td></td>
<td></td>
<td>73</td>
<td>(A+B+C)</td>
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<tr>
<td>Serengeti® 6 x 6</td>
<td>6 1/4&quot; x 6 1/4&quot;</td>
<td>2 3/8&quot;</td>
<td>3.64</td>
<td>13.75</td>
<td>350</td>
<td>96.25</td>
<td>16/1540</td>
<td>2795</td>
</tr>
<tr>
<td>Serengeti® 6 x 9</td>
<td>6 1/4&quot; x 9 3/4&quot;</td>
<td>2 3/8&quot;</td>
<td>2.42</td>
<td>20.7</td>
<td>250</td>
<td>103.5</td>
<td>15/1562.5</td>
<td>2965</td>
</tr>
<tr>
<td>Halifax® Flagstone 12&quot; x 12&quot;</td>
<td>11 3/8&quot; x 11 3/8&quot;</td>
<td>3&quot;</td>
<td>1</td>
<td>24</td>
<td>96</td>
<td>96</td>
<td>14/1344</td>
<td>3102</td>
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<tr>
<td>Halifax® Flagstone Mixed</td>
<td>7 7/8&quot; x 11 3/8&quot; (A)</td>
<td>3&quot;</td>
<td>-</td>
<td>-</td>
<td>64</td>
<td>(A)</td>
<td>16/1365.28</td>
<td>2720</td>
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<tr>
<td></td>
<td>7 7/8&quot; x 7 7/8&quot; (B)</td>
<td></td>
<td></td>
<td></td>
<td>64</td>
<td>(B)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 7/8&quot; x 7 7/8&quot; (C)</td>
<td></td>
<td></td>
<td></td>
<td>64</td>
<td>(C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>sizes packaged together</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3&quot;</td>
<td></td>
<td></td>
<td></td>
<td>85.33</td>
<td>(A+B+C)</td>
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<tr>
<td>Halifax® Flagstone Irregular</td>
<td>11&quot; x 13 3/8&quot;</td>
<td>3&quot;</td>
<td>1.54</td>
<td>-</td>
<td>96</td>
<td>62.4</td>
<td>24/1497.6</td>
<td>1870</td>
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</tbody>
</table>

- **Tumbled Finish, Serengeti® Stone and Halifax® Flagstone Colors**
- **= Stocked Colors**
<table>
<thead>
<tr>
<th>Product</th>
<th>Actual Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>cubes/s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appian® 6 x 6 Chiseled Finish</td>
<td>6 1/4&quot; x 6 1/4&quot;</td>
<td>2 3/8&quot;</td>
<td>3.64</td>
<td>13.75</td>
<td>350</td>
<td>96.25</td>
<td>16/1540</td>
<td>2795</td>
</tr>
<tr>
<td>Appian® 6 x 9 Chiseled Finish</td>
<td>6 1/4&quot; x 9 3/8&quot;</td>
<td>2 3/8&quot;</td>
<td>2.42</td>
<td>20.7</td>
<td>250</td>
<td>103.5</td>
<td>15/1552.5</td>
<td>2965</td>
</tr>
<tr>
<td>Appian® Mixed Chiseled Finish</td>
<td>6 1/4&quot; x 6 1/4&quot; (A)</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>150 (A)</td>
<td>101</td>
<td>16/1616</td>
<td>2865</td>
</tr>
<tr>
<td>Appian® Random Chiseled Finish</td>
<td>9 3/8&quot; x 9 3/8&quot; (A)</td>
<td>2 3/8&quot;</td>
<td>-</td>
<td>-</td>
<td>60 (A)</td>
<td>98</td>
<td>17/1666</td>
<td>2575</td>
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</tbody>
</table>

* = Chiseled Finish Colors  ● = Stocked Colors

<table>
<thead>
<tr>
<th>Product</th>
<th>Actual Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>cubes/s.f. per truck</th>
<th>lbs. per cube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traditional® 4 x 8 Square Edge Finish</td>
<td>3 7/8&quot; x 7 7/8&quot;</td>
<td>2 3/8&quot;</td>
<td>4.5</td>
<td>20</td>
<td>540</td>
<td>120</td>
<td>14/1680</td>
<td>3260</td>
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<tr>
<td>Olde Hanover® 3 x 9</td>
<td>2 15/16&quot; x 8 7/8&quot;</td>
<td>2 3/8&quot;</td>
<td>5.52</td>
<td>25.36</td>
<td>560</td>
<td>101.44</td>
<td>17/1724.65</td>
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</table>

* = Olde Hanover® and Traditional® Square Edge Finish Colors  ● = Stocked Colors

<table>
<thead>
<tr>
<th>Product</th>
<th>Actual Size</th>
<th>Thickness</th>
<th>pcs. per s.f.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>cubes/s.f. per truck</th>
<th>lbs. per cube</th>
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</thead>
<tbody>
<tr>
<td>Riven Viisi™</td>
<td>9 3/8&quot; x 12 1/2&quot;</td>
<td>3&quot;</td>
<td>-</td>
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<td>48</td>
<td>88.64</td>
<td>15/1329.6</td>
<td>2900</td>
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</table>

* = Riven Prest® Brick Colors  ● = Stocked Colors

Please Note: Sizes and dimensions shown are approximate. Most products are made to lay even metric modules. The product information was correct at the time of printing. When placing an order, please check with your Hanover® representative to confirm appropriate information in case of changes.
<table>
<thead>
<tr>
<th>Product</th>
<th>Actual Size</th>
<th>Thickness</th>
<th>s.f. per pcs.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>cubes/s.f. per truck</th>
<th>lbs. per cube</th>
<th>Charcoal</th>
<th>Chocolate</th>
<th>Limestone Gray</th>
<th>Natural</th>
<th>Quartry/Red</th>
<th>Tan</th>
<th>Stocked Colors</th>
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<tbody>
<tr>
<td>Aqua-Loc®</td>
<td>4 1/2&quot; x 9&quot;</td>
<td>3&quot;</td>
<td>-</td>
<td>-</td>
<td>320</td>
<td>88.32</td>
<td>16/1413.12</td>
<td>2890</td>
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<td></td>
<td></td>
<td></td>
<td>= Stacked Colors</td>
</tr>
<tr>
<td>EcoGrid®</td>
<td>11 3/4&quot; x 11 3/4&quot;</td>
<td>4&quot;</td>
<td>1</td>
<td>21</td>
<td>84</td>
<td>84</td>
<td>18/1512</td>
<td>2436</td>
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<td></td>
<td>= Stocked Colors</td>
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<tr>
<td>Permeable 4&quot; x 9&quot;</td>
<td>4 5/8&quot; x 9 1/8&quot;</td>
<td>3&quot;</td>
<td>-</td>
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<td>15/1414.5</td>
<td>3020.8</td>
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<td>= Standard Paver Colors</td>
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<tr>
<td>Permeable 4&quot; x 9&quot; Scored</td>
<td>-</td>
<td>3&quot;</td>
<td>-</td>
<td>-</td>
<td>376</td>
<td>92.08</td>
<td>14/1289.12</td>
<td>3180</td>
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<td>= Standard Paver Colors</td>
</tr>
<tr>
<td>Permeable 3 1/4&quot; x 18&quot;</td>
<td>3 1/4&quot; x 18&quot;</td>
<td>4&quot;</td>
<td>-</td>
<td>-</td>
<td>140</td>
<td>56.91</td>
<td>18/1024.38</td>
<td>2462</td>
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<td></td>
<td></td>
<td>= Standard Paver Colors</td>
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</table>

# Standard Brick Colors with Natural Finish

- = Standard Brick Colors with Natural Finish

- = Stocked Colors

- = Standard Paver Colors

- = Stacked Colors
<table>
<thead>
<tr>
<th>Product</th>
<th>Actual Size</th>
<th>Thickness</th>
<th>s.f. per pcs.</th>
<th>s.f. per strap</th>
<th>pcs. per cube</th>
<th>s.f. per cube</th>
<th>cubes/s.f. per truck</th>
<th>lbs. per cube</th>
<th>Charcoal/Limestone Gray/Natural/Red/Tan/BlueStone/Tennessee/Hogband</th>
<th></th>
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<tbody>
<tr>
<td>SlateFace® Paver</td>
<td>11 3/4&quot; x 11 3/4&quot;</td>
<td>1 13/4&quot;</td>
<td>1</td>
<td>100</td>
<td>100</td>
<td>20/2000</td>
<td>2200</td>
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<tr>
<td></td>
<td>11 3/4&quot; x 17 5/8&quot;</td>
<td>13/4&quot;</td>
<td>1.5</td>
<td>100</td>
<td>150</td>
<td>14/2100</td>
<td>3300</td>
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<tr>
<td></td>
<td>11 3/4&quot; x 23 1/2&quot;</td>
<td>13/4&quot;</td>
<td>2</td>
<td>50</td>
<td>100</td>
<td>20/2000</td>
<td>2200</td>
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<tr>
<td></td>
<td>17 5/8&quot; x 17 5/8&quot;</td>
<td>13/4&quot;</td>
<td>2.25</td>
<td>50</td>
<td>112.5</td>
<td>18/2025</td>
<td>2475</td>
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</tr>
<tr>
<td></td>
<td>17 5/8&quot; x 23 1/2&quot;</td>
<td>13/4&quot;</td>
<td>3</td>
<td>25</td>
<td>75</td>
<td>27/2025</td>
<td>1650</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>23 1/2&quot; x 23 1/2&quot;</td>
<td>13/4&quot;</td>
<td>4</td>
<td>25</td>
<td>100</td>
<td>20/2000</td>
<td>2200</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>23 1/2&quot; x 35 3/8&quot;</td>
<td>13/4&quot;</td>
<td>6</td>
<td>25</td>
<td>150</td>
<td>14/2100</td>
<td>3300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brickface Paver</td>
<td>17 5/8&quot; x 17 5/8&quot;</td>
<td>13/4&quot;</td>
<td>2.25</td>
<td>50</td>
<td>112.5</td>
<td>18/2025</td>
<td>2475</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>23 1/2&quot; x 23 1/2&quot;</td>
<td>13/4&quot;</td>
<td>4</td>
<td>25</td>
<td>100</td>
<td>20/2000</td>
<td>2200</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

= Standard Paver Colors  = SlateFace® Colors Only  ● = Stocked Colors
Square Footage Conversion

- $12' \times 12' = 1\text{ sf}$
- $12' \times 18' = 1.5\text{ sf}$
- $12' \times 24' = 2\text{ sf}$
- $18' \times 18' = 2.25\text{ sf}$
- $18' \times 24' = 3\text{ sf}$
- $24' \times 24' = 4\text{ sf}$

Scale: 1 block = $\frac{1}{4}'' = 1'$
Notes

Scale: 1 block = 1/4" = 1'
When reviewing the information in this brochure, please take into consideration the conditions and situations unique to the location and individual project, as well as the purpose for which the installation is intended. It is also necessary to provide and maintain a good edge restraint.

The color photos shown were prepared with great concern for accuracy. However, it is suggested that actual samples be requested before ordering. Due to the natural variance of the raw materials used, pavers can be expected to differ slightly from samples to actual product and from different production runs. For best results in maintaining color consistency, pavers must be installed from several cubes at a time, pulling product from ends rather than layer by layer.

Sizes and dimensions shown are approximate. Most products are made to be laid to even metric modules. For exact dimensions, contact Hanover® Architectural Products.

Efflorescence: A whitish, powder-like deposit that may appear on concrete pavers. This is a natural occurrence in any concrete product and will usually wear off over time. This condition does not affect the structural stability of the product. See page 113 for more information.

Hanover® Architectural Products reserves the right to modify, alter or discontinue the texture, color, content, shape or size of its products or any product line at any time for any reason.

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