



Hanover® Architectural Products | Architectural Concrete Pavers





An architectural project requires the highest level of performance from the paver manufacturer involved. In order to guarantee the integrity of the design from start to finish, the producer needs to have a long standing reputation of product consistency, performance and service. Hanover® Architectural Products continually strives to provide the highest quality concrete pavers in the industry. For over 39 years, we have participated in the development of pavers, as they became an integral part of architectural design. Custom color and aggregate blending has become our trademark, as well as, the ability to adapt to the special paver needs of each individual project.

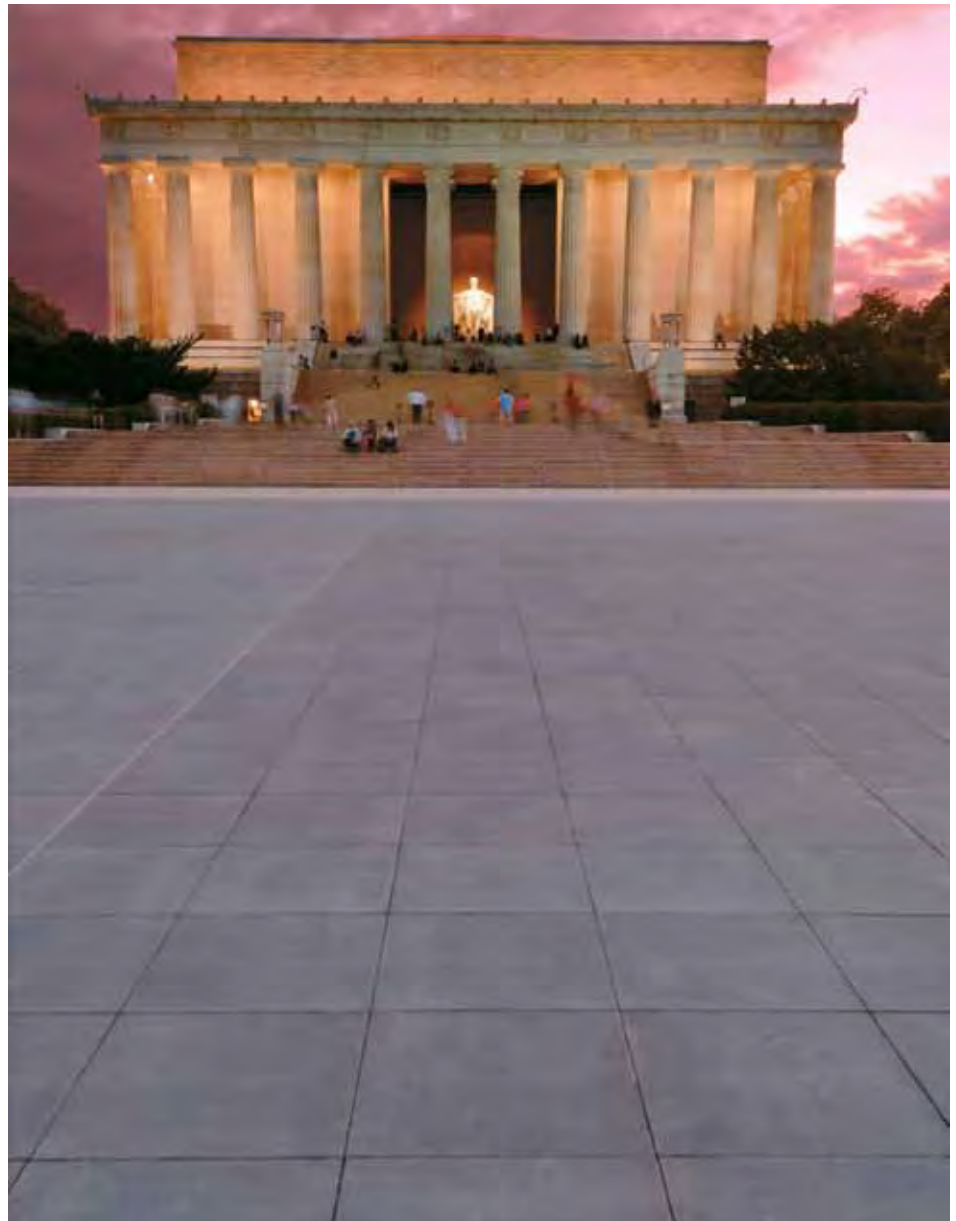


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Natural stone, particularly granite, has long been considered the first choice for buildings and walkways. Hanover's Architectural Concrete Paver line has the characteristics and the performance of natural stone, but can offer the project an economical alternative. High compressive strength and density give the product durability and low water absorption comparable to stone. Using extreme hydraulic pressure, Hanover® bonds crushed limestone and granite together, duplicating the forces of nature and producing a naturally beautiful Reconstructed Stone™ Paver.



Above Photo: Lincoln Memorial, Washington, DC; Owner: National Park Service, Washington, DC; Architect of Record: CH2M Hill, Chantilly, VA; Size & Color: Prest® Pavers, Various Sizes, Charcoal, #M1064; Finish: #13, Tudor®



Above Photos: Independence Center Phase II, Chantilly, VA; Architect: Perkins and Will, Washington, DC; Size & Color: 11 15/16" x 11 15/16" x 2 3/8", #M1187, #M1428; Finish: #13

Hanover® can provide complete flexibility for color selection. Custom color and aggregate blends have become our trademark creating endless specification opportunities.

A wide range of standard sizes are available from a nominal 12" x 12" to a nominal 36" x 36". Custom sizes give even more flexibility to the designer, making the selection of the paving pattern almost limitless.



Above Photo: The Shops at Friendly Center, Greensboro, NC; Architect: LS3P Associates LTD, Charlotte, NC; Size & Color: 23 1/2" x 23 1/2" x 2 3/8", 4" x 8" x 2 3/8", Cream, Quarry Red; Finish: Natural, Heavy Tudor®

Hanover® is known for its ability and willingness to adapt to requirements of the individual design. Our representatives will listen to your project ideas and explain the possibilities we have to offer. With over thirty-nine years of paver manufacturing experience, Hanover® stands ready to assist you on your next project.

**Please Note:** Caution needs to be exercised when utilizing various sized pavers to ensure compatibility in dimensions.



Creatively manufacturing concrete pavers has been Hanover's specialty for over thirty-nine years



Above Photos: University of Maryland Washington Quad, College Park, MD; Architect: Design Collective, Inc.; Size & Color: Custom Cut Presti® Pavers & Bricks, Various Colors; Finish: Tudor®

Large and Right Photos: Center Plaza Baltimore, Baltimore, MD; Owner: Downtown Partnership Baltimore; Landscape Architect: Mahan Rykiel Associates, Baltimore, MD; Size & Color: 11 3/4" x 11 3/4", 17 5/8" x 23 1/2", 18" x 18", 4" x 8", Antietam, B91930; Finish: Heavy Tudor®, Tudor®



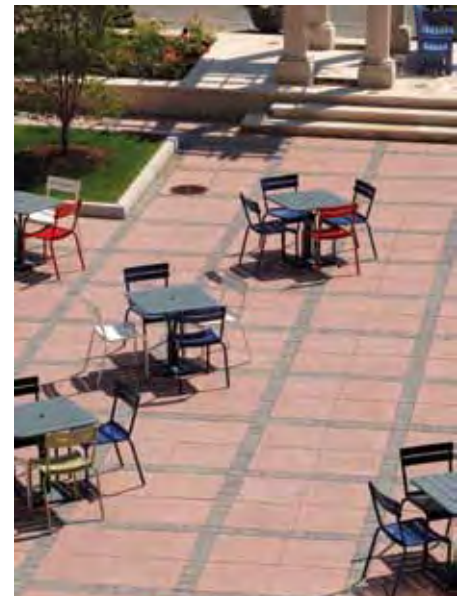
Hanover® can provide Architectural Cast Stone, shown above, to compliment Hanover® Pavers. See page 24 for more information.



Duplicating the forces of nature, Hanover® produces a naturally beautiful Reconstructed Stone™ paver.

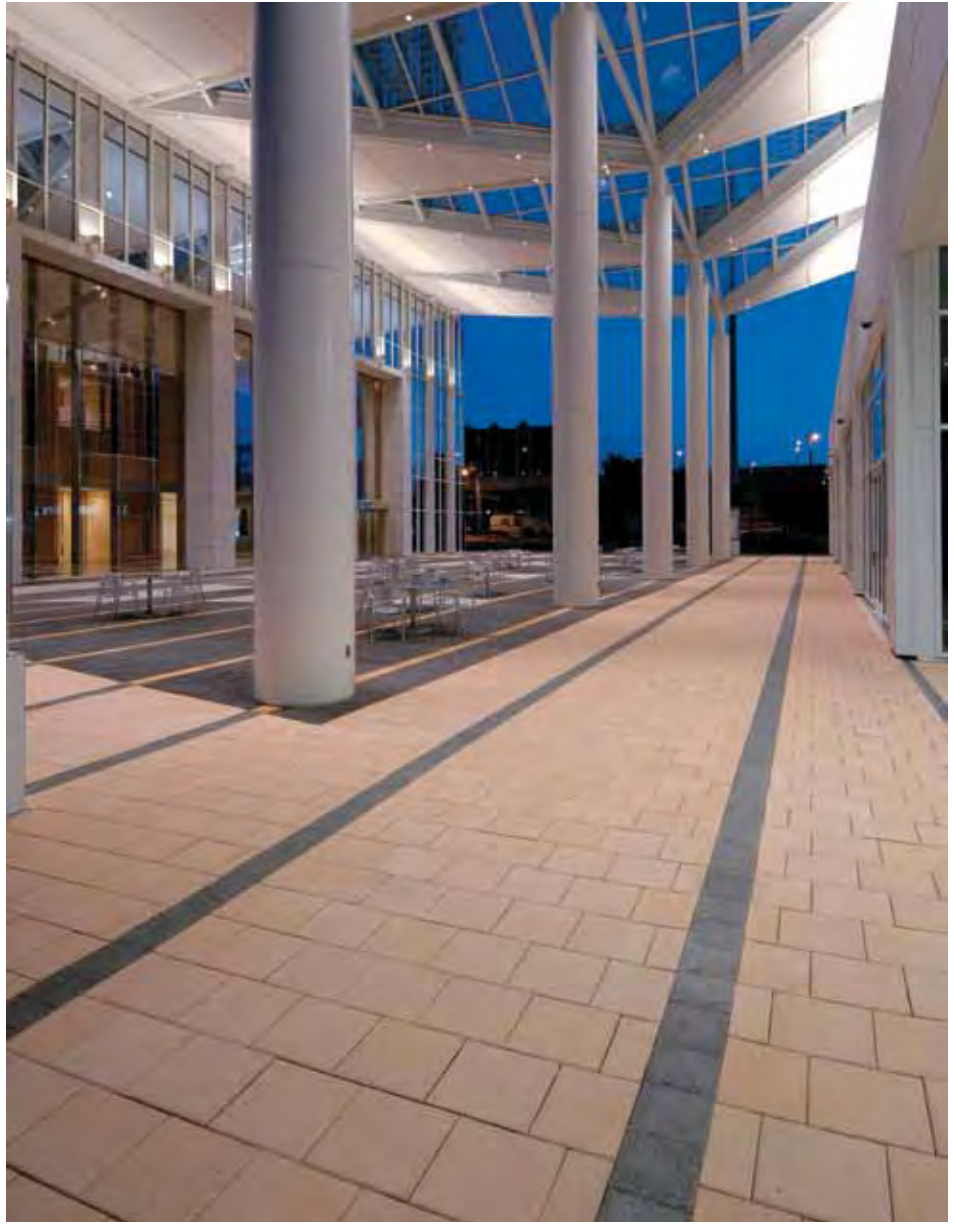
Large and Top Left Photos: Stone Hill Center at the Sterling and Francine Clark Art Institute, Williamstown, MA; Architect of Record: Gensler; Design Architect: Tadao Ando Architects & Associates; Landscape Architect: Reed Hilderbrand Associates; Size & Color: Prest® Pavers 17 13/16" x 35 13/16", Cast Stone, #M2810; Finish: #21

Left and Right Photos: Blue Back Square, West Hartford, CT; Civil Engineering & Landscape Architect: Langan Engineering & Environmental Services; Developer: Street-Works LLC; Size & Color: 23 1/2" x 23 1/2", Quarry Red; Finish: Tudor®





Above Photo: Foundry Park I, Richmond, VA; Owner: NewMarket; Architect: MSTSD; Landscape Architect: Higgins & Gerstenmaier; Size & Color: Various Sizes, Charcoal, M115, Basalt Black; Finish: #13, Thermal



Above and Left Photos: Terminus, Atlanta, GA; Architect of Record: HKS, Inc.; Landscape Architect: Hughes Good O'Leary & Ryan; Design Architect: Duda/Paine Architects; Size & Color:  $11\frac{3}{4}'' \times 11\frac{3}{4}'' \times 2\frac{3}{8}''$  Prest® Pavers,  $11\frac{3}{4}'' \times 11\frac{3}{4}'' \times 2\frac{3}{8}''$  Defectable Warning Pavers, #M2118, #M2240, #M1561; Finish: #12, Tudor®



Above and Right Photos: The National Aquarium in Baltimore, Baltimore, MD; Owner: The National Aquarium in Baltimore; Landscape Architect: Rhodeside & Harwell, Inc; Size & Color: Various Sizes, #M2540, #M2541; Finish: Heavy Tudor®



Although Hanover® Prest® Pavers are used predominantly for exterior applications, they can also be used for interior applications in those instances when a rustic finish is acceptable.

Continuing its focus on natural textures, Hanover® has included a new 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.



Above Photos: Private Residence, Virginia Beach, VA; Size & Color: 23 1/2" x 23 1/2" x 1 3/4" SlateFace®, Tennessee Flagstone (#M2343); Finish: #13



Above Photo: W Hoboken, Hoboken, NJ; Architect: Gwathmey Siegel & Associates Architects LLC; Landscape Architect: Melillo + Bauer Assoc. Inc.; Size & Color: 23 1/2" x 23 1/2" x 1 3/4" SlateFace®, BlueStone(#M2374); Finish: #13

SlateFace® Pavers are available in several sizes ranging from a nominal 12" x 12" to a nominal 24" x 36". SlateFace® Pavers are stocked in a 1 3/4" thickness.



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.

Designed to reproduce the appearance of natural slate



Above Photo: Private Residence, York, PA; Size & Color: Various Sizes, BlueStone(#M2374); Finish:#13



Above Photo: Plymouth Place Senior Living, La Grange, IL.; Architect: SAS Architects & Planners Inc., Northbrook, IL; Size & Color: 23 1/2" x 23 1/2" x 1 3/4", Tennessee Flagstone (#M2343); Finish:#13

SlateFace® Prest® Paver Sizes

11 <sup>3</sup> / <sub>4</sub> " x 11 <sup>3</sup> / <sub>4</sub> "	17 <sup>5</sup> / <sub>8</sub> " x 23 <sup>1</sup> / <sub>2</sub> "
11 <sup>3</sup> / <sub>4</sub> " x 17 <sup>5</sup> / <sub>8</sub> "	23 <sup>1</sup> / <sub>2</sub> " x 23 <sup>1</sup> / <sub>2</sub> "
11 <sup>3</sup> / <sub>4</sub> " x 23 <sup>1</sup> / <sub>2</sub> "	23 <sup>1</sup> / <sub>2</sub> " x 35 <sup>3</sup> / <sub>8</sub> "
17 <sup>5</sup> / <sub>8</sub> " x 17 <sup>5</sup> / <sub>8</sub> "	

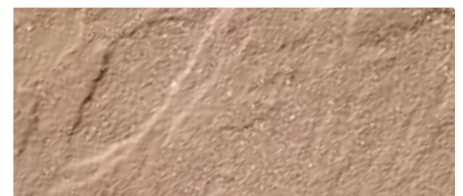
**Please Note:** Custom colors and sizes are available upon special request when quantities permit.



Above and Left Photos: Boisejuillet Jones Center, Emory University, Atlanta, GA; Owner: Emory University; Size & Color: Various Sizes, SlateFace®, BlueStone (#M2374), #M2442, #M2544, #M2660; Finish: #13



BlueStone (#M2374)



Tennessee Flagstone (#M2343)

**Please Note:** Hanover's blended colors consist of several shades and will include some solid and some blended pieces.

In response to the American Disabilities Act, Hanover® has been working with various government agencies and municipalities to design and provide a paver which would aid the partially sighted and blind pedestrian. The top surface has non-slip properties and raised truncated domes. These are readily detectable under foot, as well as by cane.



Persons with visual impairments depend upon environmental cues of potential hazards — ambient sounds and physical elements that can be sensed by a cane or texture changes underfoot. Any pedestrian area requiring the use of a detectable warning surface can utilize the Detectable Warning® Paver. The distinctively textured walking surface can help to warn pedestrians of an impending hazard on the route ahead.

Above and Top Left Photos: Foundry Park I, Richmond, VA; Owner: NewMarket; Architect: MSTSD, Atlanta, GA; Landscape Architect: Higgins & Gerstenmaier, Richmond, VA; Size & Color: Detectable Warning® Pavers 11 3/4" x 11 3/4" x 2", Charcoal; Finish: Tudor®



Right Photo: Village Bank, Richmond, VA; Architect: Balzer and Associates; Size & Color: Detectable Warning® Pavers 11 3/4" x 11 3/4" x 2", Quarry Red; Finish: Tudor®

Unit Sizes	
11 3/4" x 11 3/4" x 2"	(297mm x 297mm x 51mm)
23 1/2" x 23 1/2" x 2"	(597mm x 597mm x 51mm)
Stocked Colors	
Red 15	Yellow
Charcoal	
<p><b>Please Note:</b> Other sizes and colors are available upon request when quantities permit.</p>	

Manufactured in accordance with the requirements set forth in the American Disabilities Act (ADA), Hanover's Detectable Warning® Paver is fabricated with a non-slip texture applied to the surface of the paver. Projects will benefit from its ability to withstand snow removal and freeze thaw conditions. Typical installations include railway platforms, handicap ramps and curb and grade changes. The Detectable Warning® Paver is manufactured in several sizes to suit design requirements and conform to the ADA Code.



Above Photo: Atlanta Marriott Buckhead Hotel & Conference Center, Buckhead, GA; Owner: Pyramid Project Management LLC, Atlanta, GA; Architect: Rabun Rasche Rector Reece, Atlanta, GA; Size & Color: Detectable Warning® Pavers 11 3/4" x 11 3/4" x 2", Charcoal; Finish: Tudor®



Above Photo: The Shops at Friendly Center, Greensboro, NC; Architect: LS3P Associates Ltd., Charlotte, NC; Size & Color: Detectable Warning® Pavers 23 1/2" x 23 1/2" x 2 3/8", Red 15; Finish: Tudor®

Hanover® meets new ADA Aligned Dome format requirements.



Above and Left Photos: InterContinental Hotel, Buckhead, GA; Owner: InterContinental Hotels Group, Atlanta, GA; Size & Color: Detectable Warning® Pavers 11 3/4" x 11 3/4" x 2 3/8", Charcoal; Finish: Tudor®

Since July 26, 2001 the suspension on the use of detectable warnings has been lifted, and the FHWA is obligated to enforce the requirements. Therefore state and local governments are required to apply minimum design standards. The original design standard (minimum) for truncated domes is found in ADAAG (4.29.2), but new design recommendations for the dimension and placement of the domes on curbs have been made. Both FHWA and the U.S. Access Board are encouraging the use of the new aligned dome design.



Above and Left Photos: Adelphi University, Garden City, NY; Owner: Adelphi University; Landscape Architect: Brown Sardina, Inc., Boston, MA; Size & Color: 4" x 8" x 2 3/8" Prest® Brick, 11 3/4" x 11 3/4" x 2 3/8" Detectable Warning® Pavers, Limestone Gray, Super Black; Finish: Tudor®



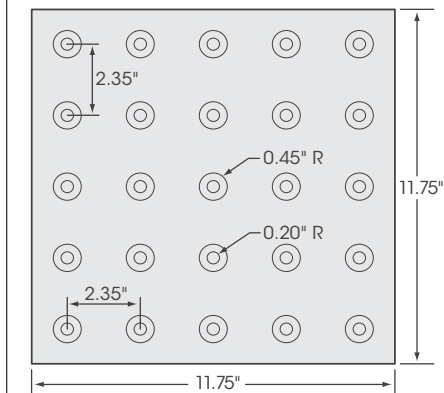
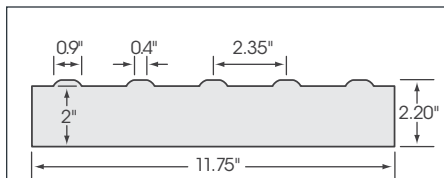
Above and Right Photos: Sunset Hills Tower, Reston, VA; Architect: Weihe Design Group, PLLC, Washington, DC; Size & Color: Detectable Warning® Pavers 11 3/4" x 11 3/4" x 2", Quarry Red; Finish: Tudor®

- Meets ADA requirements
- Manufactured in two sizes
- Custom colors available
- Non-slip texture

Detectable Warning® Pavers are stocked in the three colors shown below. Other colors and Tudor® finish are available on special request when quantities permit.



Above Photo: Arizona State University Foundation Building, Tempe, AZ; Owner: Arizona State University Foundation; Architect: Architekton | Gould Evans; Landscape Architect: Urban Earth Design, LLC; Project Developer & Manager: Lincoln Property Company; Size & Color: Detectable Warning® Pavers 11<sup>3</sup>/<sub>4</sub>" x 11<sup>3</sup>/<sub>4</sub>" x 2", Charcoal; Finish: Tudor®



**Please Note:** The standard thickness of the paver does not include the height of the dome. A paver which is ordered at a 2" thickness will actually measure 2.20" from the bottom of the paver to the top of the dome.



Above Photo: Terminus, Atlanta, GA; Architect of Record: HKS, Inc.; Landscape Architect: Hughes Good O'Leary & Ryan; Design Architect: Duda/Paine Architects; Size & Color: 11<sup>3</sup>/<sub>4</sub>" x 11<sup>3</sup>/<sub>4</sub>" x 2<sup>3</sup>/<sub>8</sub>" Prest® Pavers, 11<sup>3</sup>/<sub>4</sub>" x 11<sup>3</sup>/<sub>4</sub>" x 2<sup>3</sup>/<sub>8</sub>" Detectable Warning Pavers, #M2118, #M2240, #M1561; Finish: #12, Tudor®



Above Photo: West Shore Park, Baltimore, MD; Lead Designer: Thomas Balsley Associates, New York, NY; Landscape Architect: Hord Coplan Macht, Baltimore, MD; Size & Color: Detectable Warning® Pavers 11<sup>3</sup>/<sub>4</sub>" x 11<sup>3</sup>/<sub>4</sub>" x 2<sup>3</sup>/<sub>8</sub>", Charcoal; Finish: Tudor®



Charcoal



Red 15



Yellow (#M1517)

**Please Note:** Tudor® finish is available on special order when quantities permit.

Permeable paving units were first presented to the industry in 1961 as hollow concrete building blocks positioned in the ground to support cars in overflow parking. Because of increasing paved areas such as streets, parking lots and sidewalks, rainwater has little opportunity to filtrate into the earth. The need for a pervious concrete paving unit that allows water to permeate the soil has become increasingly important.

Hanover's Permeable Paving Units allow for stormwater drainage and manage excessive runoff, as most municipalities now require. Several shapes and sizes are available in different colors and textures to suit any design requirement.



**The Problem.** With urban development comes excessive stormwater runoff. Runoff occurs in urban and suburban areas where impervious surfaces such as streets, parking lots and sidewalks prevent rainwater from absorbing into the soil. As water runs across these surfaces, it collects contaminants and deposits them into stormdrains or directly into receiving waters, such as rivers and lakes. As waters are polluted, they become unusable to people and dangerous to fish and other aquatic life.



Under the Clean Water Act, developers must comply with the regulations for stormwater management which often means the loss of valuable land to build large, expensive retention ponds.



Macallen Building, Boston, MA; Developer: Pappas Properties Inc., Boston, MA; Design Architect: Office dA, Boston, MA; Landscape Architect: Landworks Studio, Inc., Boston, MA; Size & Color: Aqua-Loc®, Charcoal, Quarry Red; Finish: Natural, Tudor®

**The Solution.** Hanover's Permeable Paving Units allow for stormwater drainage and manage excessive runoff. This stormwater is directed through a series of natural filtration systems - through joints or voids in the pavers and into the subgrade below before entering streams or rivers, reducing groundwater pollution. The need for retention ponds is eliminated. The result is more flexibility in design options and more efficient use of the total building site, while maintaining an effective stormwater management system. Benefits of using permeable pavers are numerous. Permeable pavers have been proven to be very beneficial because:

- Erosion and stormwater runoff are reduced.
- Land-use is increased through more efficient use of the total building site.
- Water quality is improved.
- Project costs for drainage and retention systems are reduced.
- Access for underground repairs is permitted.
- Design options increase.
- Several attractive textures

Green Building trends are on the rise as large cities and small towns are making great strides toward managing runoff and creating environment-friendly developments. The need for Sustainable Design will continue as natural resources become increasingly scarce.

## Aqua-Loc®

Hanover's Aqua-Loc® is available in 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 and provides open space for drainage aggregate. Aqua-Loc® will provide 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 custom colors when quantities permit, Aqua-Loc® can be installed mechanically to save time and reduce costs.



When used in vehicular parking applications, Aqua-Loc® can work in conjunction with tight-jointed pavers. The tight-jointed pavers can be used to form pedestrian friendly areas such as handicap parking areas, walkways and ramps.



Above and Bottom Left Photos: Office Building, Richmond, VA; Size & Color: 4" x 8", Aqua-Loc®, Red/Charcoal Blend, Antietam; Finish: Natural, Tudor®

- Sized at 4 1/2" x 9" x 3"
- 10.6% open space
- Infiltration rate of 7"-8" per hour
- Can be installed mechanically
- Supports moderate vehicular traffic



Right Photo: Private Residence, Fenwick Island, DE; Size & Color: 4" x 8", Aqua-Loc®, South Mountain Sand, Charcoal; Finish: Natural

### EcoGrid®

Sized at 11 3/4" x 11 3/4" x 4", Hanover® EcoGrid® provides the project with 39% open space for drainage aggregate. EcoGrid® has the largest percentage of open space in the industry, allowing the most opportunity for water to permeate into the sub-soil. EcoGrid® provides the maximum percolation that a normal drainage field system will accept. Hanover's EcoGrid® interlock for stability to support moderate vehicular traffic. Stocked in Hanover's Natural color with a Natural finish, EcoGrid® can also be made to order in custom colors when quantities permit.



Above Photo: Private Residence; Size & Color: EcoGrid®, Natural; Finish: Natural



Above Photo: Chelsea Townhomes, Charlotte, NC; Owner: Colville Company, Charlotte, NC; Size & Color: EcoGrid®, Natural; Finish: Natural

EcoGrid® can also be filled with soil for grass turf. In this system design, a typical cross section will consist of compacted sub base and a 3/4" - 1" setting bed adequate for intended loads, and soil-filled voids with planted vegetation.

- Sized at 11 3/4" x 11 3/4" x 4"
- 39% open space
- Stocked in Natural color
- Supports moderate vehicular traffic

### NEW Permeable 4" x 9"

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. Minimal openings providing a comfortable walking surface and can accommodate wheel chair traffic.

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.



Above Photo: Smithsonian's National Zoo, Washington, DC; Size & Color: Permeable 4" x 9", B91517, Charcoal; Finish: Tudor®, Natural



Above Photo: Office Building; Size & Color: Permeable 4" x 9", Limestone Gray; Finish: Natural

- ADA Compliant
- 6.94% open space per unit
- Supports heavy low speed vehicular loads
- Sized at 4 5/8" x 9 1/4"
- True rectangular size ratio to achieve interlock stability

### NEW Permeable 4" x 9" Scored

Hanover's NEW Permeable 4" x 9" Scored is perfect for large driveways, parking lots, roads and industrial applications. 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.



Size & Color: Permeable 4" x 9" Scored, Quarry Red; Finish: Natural

## Two Piece Octagonal Paver System

Hanover® can manufacture a two piece system using an octagonal paver (15 7/8" across flats) and a square paver (6 9/16"). When laid together these two shapes create a variety of paving effects. The two pieces can be manufactured in the same or different colors. Textures could also be varied. By changing the color and texture combinations the designer has almost limitless paving possibilities.

### Octagonal Paver

Two Piece Octagonal System  
15 7/8" Octagon  
6 9/16" Square



Above and Left Photos: 75 Henry Street Plaza, Brooklyn, NY; Architect: Lawless & Mangione Architects, Yonkers, NY; Size & Color: Octagonal 15 7/8" Limestone Gray, with square 6 9/16" x 6 9/16" x 2", Charcoal; Finish: #13

### Hexagonal Paver

15 5/8" or 23 1/2"



## Hexagonal Prest® Paver

Hanover's Hexagonal Prest® Pavers are manufactured in two sizes, 15 7/8" and 23 1/2" across flats, to accommodate large or small scale projects. This shape gives the opportunity to create special interest in a specific area of the project or for the entire project.



Right Photo: Rhode Island Hospital Cancer Center, Providence, RI; Landscape Architect: Gifford Design Group, Cumberland, RI; Size & Color: Hexagonal Prest® Pavers, Cream, Tan; Finish: Tudor®

Working closely with designers, Hanover® has the ability to develop and produce intricate two-dimensional “sculptures” by placing beautiful metal inlays within the pavers. When produced and installed in the designed pattern, individual pavers become a sculptured floorscape. Please contact our technical staff to discuss your next project.



Above and Right Photos: Center Plaza Baltimore, Baltimore, MD; Owner: Downtown Partnership Baltimore; Landscape Architect: Mahan Rykiel Associates, Baltimore, MD; Size & Color: 11 3/4" x 11 3/4", 17 5/8" x 23 1/2", 18" x 18", 4" x 8", Antietam, B91930; Finish: Heavy Tudor®, Tudor®



Architectural Concrete Pavers | Custom Cutting Service

Projects sometimes have the need for a special effect or artistic design, requiring a unique shape. Corporate logos, pavement designs and special shapes can accent a walkway or an entrance or create a central focal point. Over the years we have responded to various design requests and gained valuable experience, producing many interesting projects.

Hanover® has the capability to translate these design requirements into our unit pavers with custom cutting services. Modern computerized saws cut to close tolerances according to your shop drawings. Custom colors within the pavers can further enhance the design. Contact Hanover® to discuss your next project.

Right Photo: Malcolm X Plaza, City of New York, NY; Owner: The City of New York; Architect: J-P Design Group, Inc., Zevilla Jackson Preston, R.A., Principle; Landscape Architect: Ken Smith Landscape Architect; Design Coordinators: CityScape Institute; Size & Color: Various Custom Sizes and Cutting, #M1428, #M2224, #M2259, #M1310, #M2261; Finish: Tudor®, Ground, Heavy Tudor®



Hanover® Pavers provide the perfect background for engraving. Almost any design can be adapted to the process, and some ink colors can be accommodated. The engraving services are perfect for corporate logos, appreciation or memorial panels, and fund raising projects. Storefront entrances can be enhanced with the product name, services provided or even directional symbols to help a visitor find their way. The possibilities are endless. Choose from any of the paver sizes or standard colors offered. Custom colors for pavers are available on special order and when quantities permit.

Engraved Prest® Paver



Student Union Courtyard, Grove City College, Grove City, PA; Owner: Grove City College; Architect: Ballinger, Philadelphia, PA; Size & Color: Various sizes Prest® Pavers and Brick, Quarry Red, Red/Charcoal Blend, #B91983, #M1983, #M2336, #M1064; Finish: Natural, #13, Tudor®

Engraved Granite Paver



Right Photo: Shoal Creek Valley Splash Plaza, Kansas City, MO; Owner: Carma Developers; Landscape Architect: Gould Evans Associates; Size & Color: Prest® Pavers, #M1020; Granite Pavers, Basalt Black; Finish: Thermal, #13



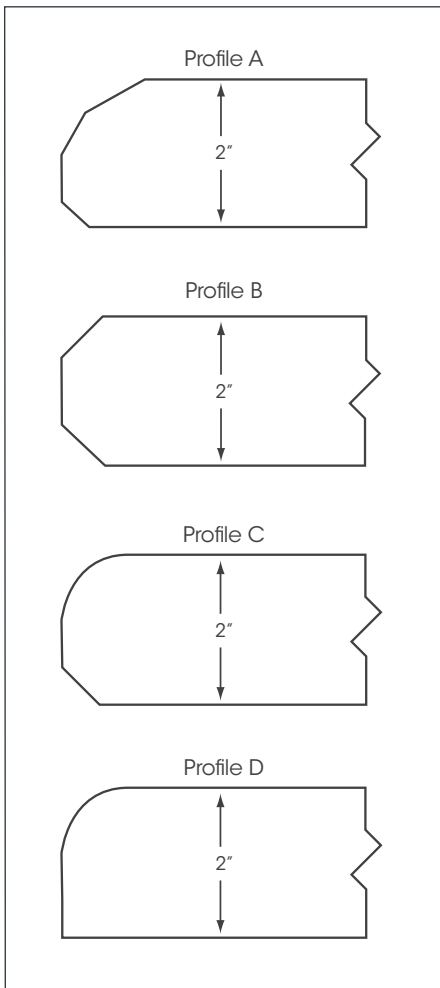
To incorporate the same color and texture of the pavers with coping or edging, Hanover® offers a profiled cutting service, making precision cuts to your specification. Pool deck areas particularly benefit, as the paver and the pool coping can be of the same paver material. Custom profiles can also be accommodated.



Profile C is shown above.



Profile B is shown above and below.



- For more information, please request Hanover's Profile and Custom Cutting Detail.

Hanover® Architectural Products is proud to add Water Jet Cutting to the line of profile and custom cutting services of Hanover® products. Through the use of an abrasive Water Jet, Hanover® can cut pavers into more intricate shapes and designs. Controlled by exact CAD programmable settings, more distinctive patterns for logos, maps, entryways, murals, and special paving designs can be accommodated.

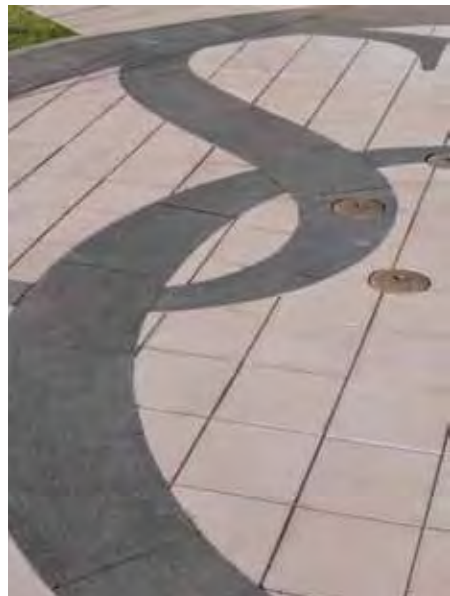
With the exactness that comes from the pinpoint cutting and precise CAD computer controls, Hanover's abrasive Water Jet Cutting decidedly increases the accuracy over other more traditional methods of sawing. Arcs, circles, inside and outside radii are all cut with the same precision.



Above and Top Left Photos: Broadacres Park, Silver Spring, MD; Owner: Montgomery County Parks Department; Size & Color: Various Sizes, Water Jet Cutting; Finish: Tudor®



Intricate patterns can be duplicated distinctly, guided by the CAD programming. Multiple colored designs can also be accommodated. Please contact us to discuss your project designs. We would be pleased to review your drawings and provide you with possible solutions. Custom cutting of Hanover® Products with custom colors and aggregate blends opens up endless possibilities.





Water Jet Cutting allows Hanover® to offer a more intricate cutting service.

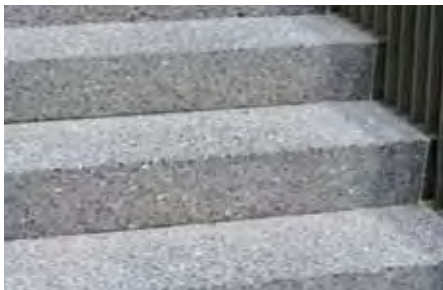
Above and Top Left Photos: Culinary Institute of America, Hyde Park, NY; Architect: Noelker and Hull Associates, Inc., Chambersburg, PA; Landscape Architect: Derck & Edson Associates, LLP, Lititz, PA; Size & Color: Various Sizes, Water Jet Cutting, Tan, Natural, Red 15, Quarry Red; Finish: Tudor®



Above and Left Photos: Shoal Creek Valley Splash Plaza, Kansas City, MO; Owner: Carma Developers; Landscape Architect: Gould Evans Associates; Size & Color: Presti® Pavers, #M1020; Granite Pavers, Basalt Black; Finish: Thermal, #13

Hanover's line of Architectural Cast Stone products extends an already diverse line of hardscape products and amenities.

Hanover's ability to produce precast products that complement Hanover® Pavers creates the opportunity for a completely finished project. Each detail can be coordinated. Custom coping, stair treads and risers, wall caps, pedestrian bollards and many other site furnishings can be produced so that the aggregates and colors will match or accent within the site. Hanover's technical staff will provide drawings and specifications in order to custom finish each project exactly as the designer intended.

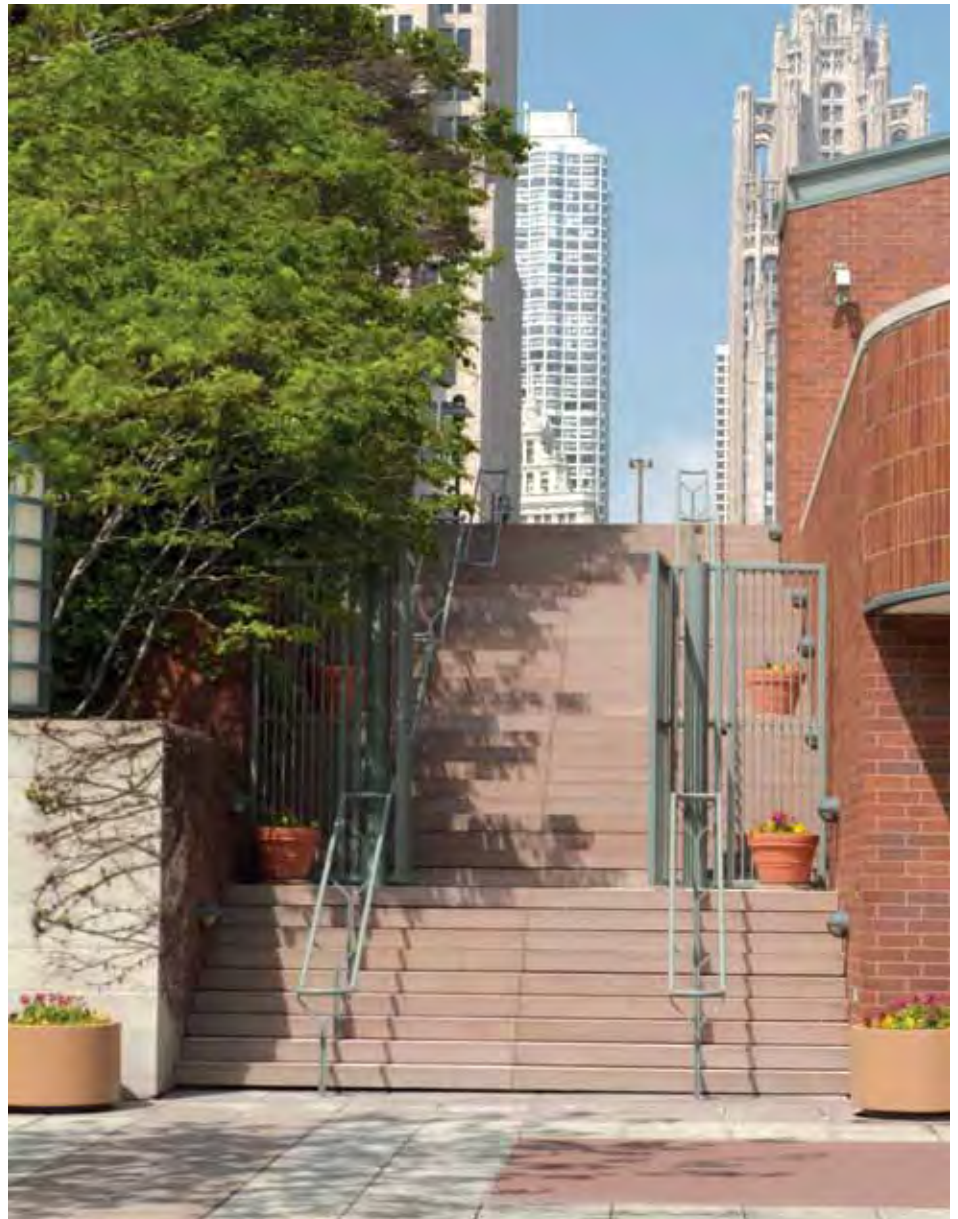


- Coping
- Stair Treads and Risers
- Wall Caps
- Pedestrian Bollards
- Planters
- Benches
- Wall Veneer

All Photos: Stone Hill Center at the Sterling and Francine Clark Art Institute, Williamstown, MA; Architect of Record: Gensler, New York, NY; Design Architect: Tadao Ando Architects & Associates; Landscape Architect: Reed Hilderbrand Associates, Watertown, MA; Size & Color: Prest® Pavers 17 13/16" x 35 13/16", Cast Stone, #M2810; Finish: #21



Above Photos: Four Seasons Hotel, Miami, FL; Design Architect: Bermello, Ajamil, Handel Joint Venture, Gary Edward Handel + Associates; Landscape Architect: Office of Dan Kiley; Size & Color: Presti® Pavers Various Sizes; Cast Stone, Cream, #M2460, #M2463; Finish: #13, Tudor®



Above and Bottom Left Photos: City View Condominium Association, Chicago, IL; Architect: Postl-Yore & Assoc. Inc., Arlington Heights, IL; Size & Color: 23 1/2" x 23 1/2" x 2", Cast Stone, Tan, Natural, #M1934; Finish: Natural, Tudor®, #13

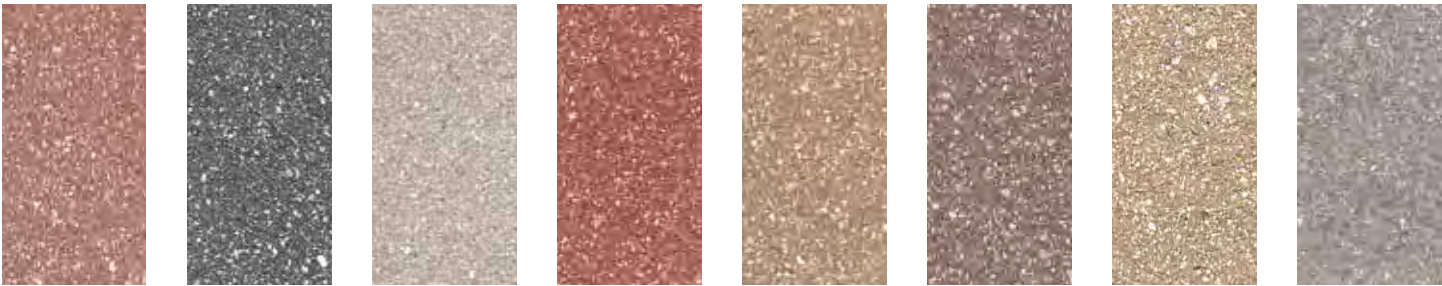
Hanover® can provide Architectural Cast Stone products to completely finish the project.



Above Photo: Cheesecake Factory Plaza, Columbia, MD; Landscape Architect: Mahan Rykiel Associates Inc., Baltimore, MD; Size & Color: Cast Stone, Natural; Finish: Tudor®

## 26 Architectural Concrete Pavers | Standard Colors with Tudor® Finish

The eight standard colors shown are available in a wide range of paver sizes and thicknesses. Custom color blending can be accommodated, as well as, custom aggregate blending. Hanover's Tudor® Finish is an architectural texture which gives the surface a granite-like appearance. It is a surface equally suited to urban and municipal projects.



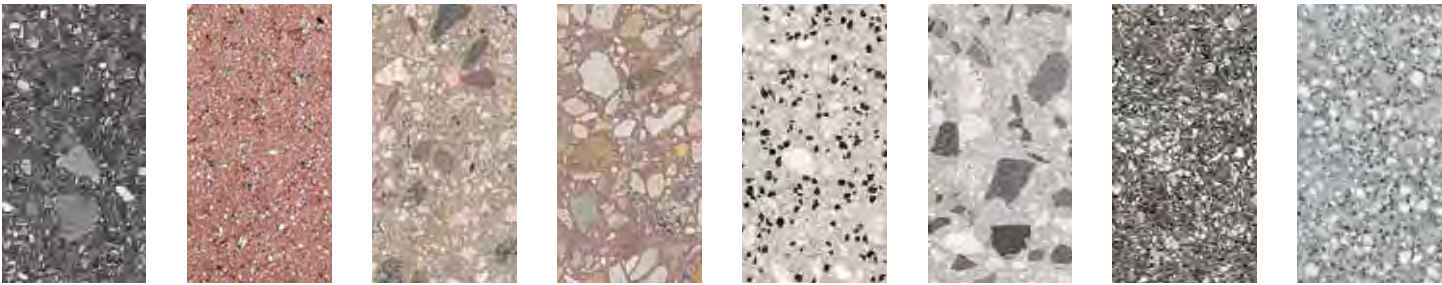
Quarry Red    Charcoal    Natural\*    Red 15    Tan    Brown    Cream    Limestone Gray

\* Natural color Prest® Pavers have a tendency to vary in color within any given shipment. It may vary in shade from gray/buff to light gray, and even to a darker gray. This variance should be expected and considered normal for the Natural color Prest® Pavers.

Please Note: For stability of color, sealing is recommended. Two types of sealers are suggested – Hanover® Intensifying Sealer or Hanover® Natural Sealer.

## Architectural Concrete Pavers | Custom Colors with Ground Finish

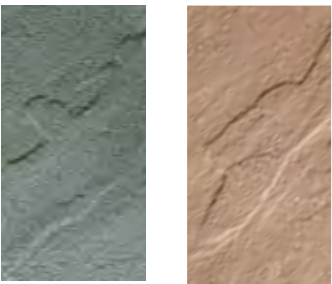
Texture is as important to the appearance of the installation as color and pattern. Hanover's Ground Finish provides a smooth surface revealing the aggregates beneath. Custom color and aggregate blending is available when quantities permit.



Super Black    Matrix #1111    Matrix #1171    Matrix #1049    Matrix #1185    Matrix #1109    Matrix #1151    Matrix #1240

## SlateFace® Prest® Paver Colors

The SlateFace® Paver has been designed to reproduce the texture, color and appearance of natural slate. Stocked in Hanover's BlueStone and Tennessee Flagstone colors, its irregular top surface was developed from actual sections of stone.

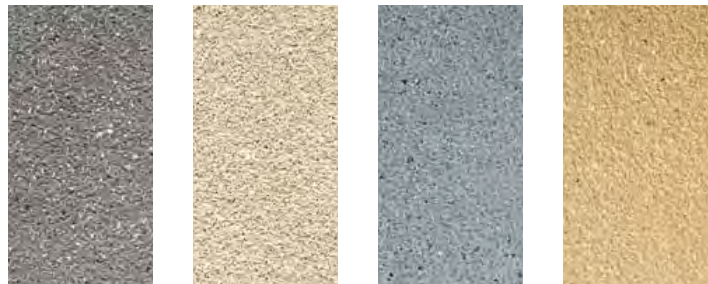


BlueStone (#M2374)    Tennessee Flagstone (#M2343)

Please Note: The color photos shown to the left 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.

## Custom Colors with Tudor® #13 Finish

Hanover® Pavers are also produced in a Tudor® #13 finish which gives a delicate sandstone texture. A few available colors are shown below. Other custom colors can be ordered when quantities permit.



Matrix #1428    Matrix #1775    Matrix #2127    Matrix #1914

The blends shown below were developed by Hanover's efforts to respond to particular project requirements. Additional custom blending is available on special order when quantities permit. Hanover's Tudor® finish is a specialized texture designed to reveal the aggregates naturally. It gives the surface a granite-like appearance which adds slip resistant qualities to the paver.



Matrix #1458



Matrix #1025



Matrix #115



Matrix #1171\*



Antietam\*



Matrix #1119



Matrix #1151\*



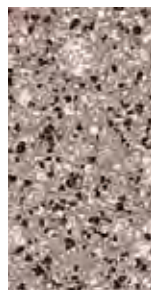
Glacier White



Matrix #1914



Matrix #1916\*



Matrix #1952



Matrix #1457



Matrix #1856



Matrix #1875\*



Matrix #1810



Matrix #1649



Matrix #1767



Matrix #1442



Matrix #1111\*



Matrix #1256



Matrix #1636



Matrix #1983



Matrix #2088



Matrix #2922



Matrix #1428



Matrix #2115



Matrix #2156



Matrix #1930



Matrix #1537



Matrix #2659



Matrix #2259



Matrix #2835

Colors shown are custom colors. Please contact a Hanover Sales Representative for pricing.

\* Colors are available with a Heavy Tudor®, Ground or Ground/Tudor® finish only.

**Please Note:** Additional custom blending is available on special order when quantities permit. The color photos shown in this catalog were prepared with great concern for accuracy. However, it is suggested that actual samples be requested before specifying. Due to the natural variance of the raw materials used, pavers can be expected to differ slightly from sample to actual product. It is recommended that the pavers be cleaned after the installation is finished. Please contact our representatives for product suggestions.

Metric Sizes	Actual Sizes	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	3"	4"
297mm x 297mm	11 <sup>3</sup> / <sub>4</sub> " x 11 <sup>3</sup> / <sub>4</sub> "		X	X	X	X	X	X	
303mm x 303mm	11 <sup>15</sup> / <sub>16</sub> " x 11 <sup>15</sup> / <sub>16</sub> "		X		X	X	X	X	
378mm x 378mm	14 <sup>7</sup> / <sub>8</sub> " x 14 <sup>7</sup> / <sub>8</sub> "		X		X	X	X	X	
297mm x 447mm	11 <sup>3</sup> / <sub>4</sub> " x 17 <sup>5</sup> / <sub>8</sub> "		X	X	X	X	X	X	
297mm x 597mm	11 <sup>3</sup> / <sub>4</sub> " x 23 <sup>1</sup> / <sub>2</sub> "	X	X	X	X	X	X	X	
447mm x 447mm	17 <sup>5</sup> / <sub>8</sub> " x 17 <sup>5</sup> / <sub>8</sub> "		X	X	X	X	X	X	X
447mm x 597mm	17 <sup>5</sup> / <sub>8</sub> " x 23 <sup>1</sup> / <sub>2</sub> "		X	X	X	X	X	X	
447mm x 899mm	17 <sup>5</sup> / <sub>8</sub> " x 35 <sup>3</sup> / <sub>8</sub> "		X		X	X	X	X	
597mm x 597mm	23 <sup>1</sup> / <sub>2</sub> " x 23 <sup>1</sup> / <sub>2</sub> "	X	X	X	X	X	X	X	X
597mm x 747mm	23 <sup>1</sup> / <sub>2</sub> " x 29 <sup>1</sup> / <sub>2</sub> "				X	X	X	X	
597mm x 897mm	23 <sup>1</sup> / <sub>2</sub> " x 35 <sup>3</sup> / <sub>8</sub> "			X	X	X	X	X	
756mm x 756mm	29 <sup>3</sup> / <sub>4</sub> " x 29 <sup>3</sup> / <sub>4</sub> "				X	X	X	X	
908mm x 908mm	35 <sup>3</sup> / <sub>4</sub> " x 35 <sup>3</sup> / <sub>4</sub> "*						X	X	

Hanover® Prest® Pavers are manufactured metrically. Standard thickness is 51mm or 2" with a weight of 25 lbs/sf. However, the 35 3/4" x 35 3/4" paver is standard at a 64mm or 2 1/2" thickness.

\* Note increased thickness for this size paver. Weight increases with thickness.

Hanover® meets Federal Metric Construction Guidelines.

## Architectural Concrete Pavers | Prest® Paver Thickness

Standard manufactured thickness for pedestrian application is 2". However, when utilized in urban pedestrian applications, we recommend increasing the thickness to 2 1/2". The additional strength will help to accommodate the unpredictable circumstances and stressful situations that exist in the urban city environment.

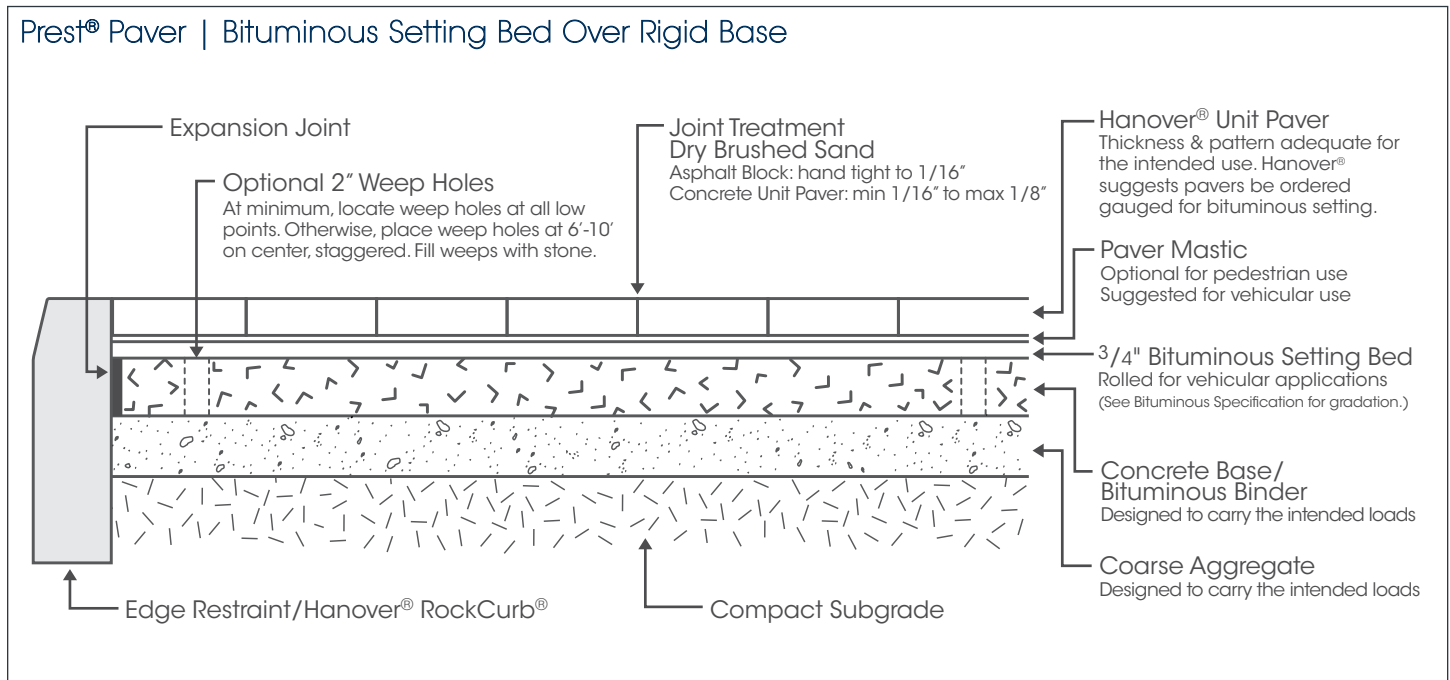
## Architectural Concrete Pavers | Prest® Paver Relative Strengths

Hanover® Prest® Pavers are manufactured by unique methods which duplicate the qualities of natural stone. Hanover® applies over a million pounds of pressure to each unit, fusing the aggregates and stones together. This unique process ensures a paver which is stronger and more durable than a cast or lightweight product. Hanover's test results show high compressive strength, density, and low water absorption qualities comparable to natural stone.

Relative Strengths at 2" Thickness	
Compressive:	8,500 psi
Absorption:	less than 5%
Density:	155 lbs./cu. ft.
Flexural:	1,100 psi
Unique manufacturing methods provide relative strengths comparative to natural stone. Some mix designs may test lower than shown above due to softer aggregates used for custom blending.	

Due to limited catalog space, installation specifications have been reduced to brief guidelines. Please contact our technical representatives for installation recommendations. When reviewing these guidelines, please take the conditions and situations unique to the location and individual project into consideration. Also take into consideration the purpose for which the application was intended.

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:** For vehicular applications, sub base and sub straight should be designed to accommodate the intended loads. Selection of Prest® Paver sizes for vehicular loading should be reviewed with a Hanover® Technical Sales representative. Refer to back page for more information.

Other Prest Paver Applications	Suggested Setting Bed Methods (setting bed only)
On-Grade:	<ul style="list-style-type: none"> <li>- Bituminous Setting Bed, 3/4" not rolled, maintain 1/8" joint, sand sweep (Gauging of pavers is recommended.)</li> <li>- Latex Modified Mortar Bed with latex modified grout over concrete slab</li> </ul>
Roof Ballast:	<ul style="list-style-type: none"> <li>- Loose Laid over waterproofing and protection layer (Refer to Hanover's brochure Concrete Pavers for Roofs &amp; Decks.)</li> </ul>
Decks and Terraces:	<ul style="list-style-type: none"> <li>- Pavers on Pedestal System over waterproofing and protection layer (Refer to Hanover's brochure Roof and Plaza Pavers.)</li> </ul>

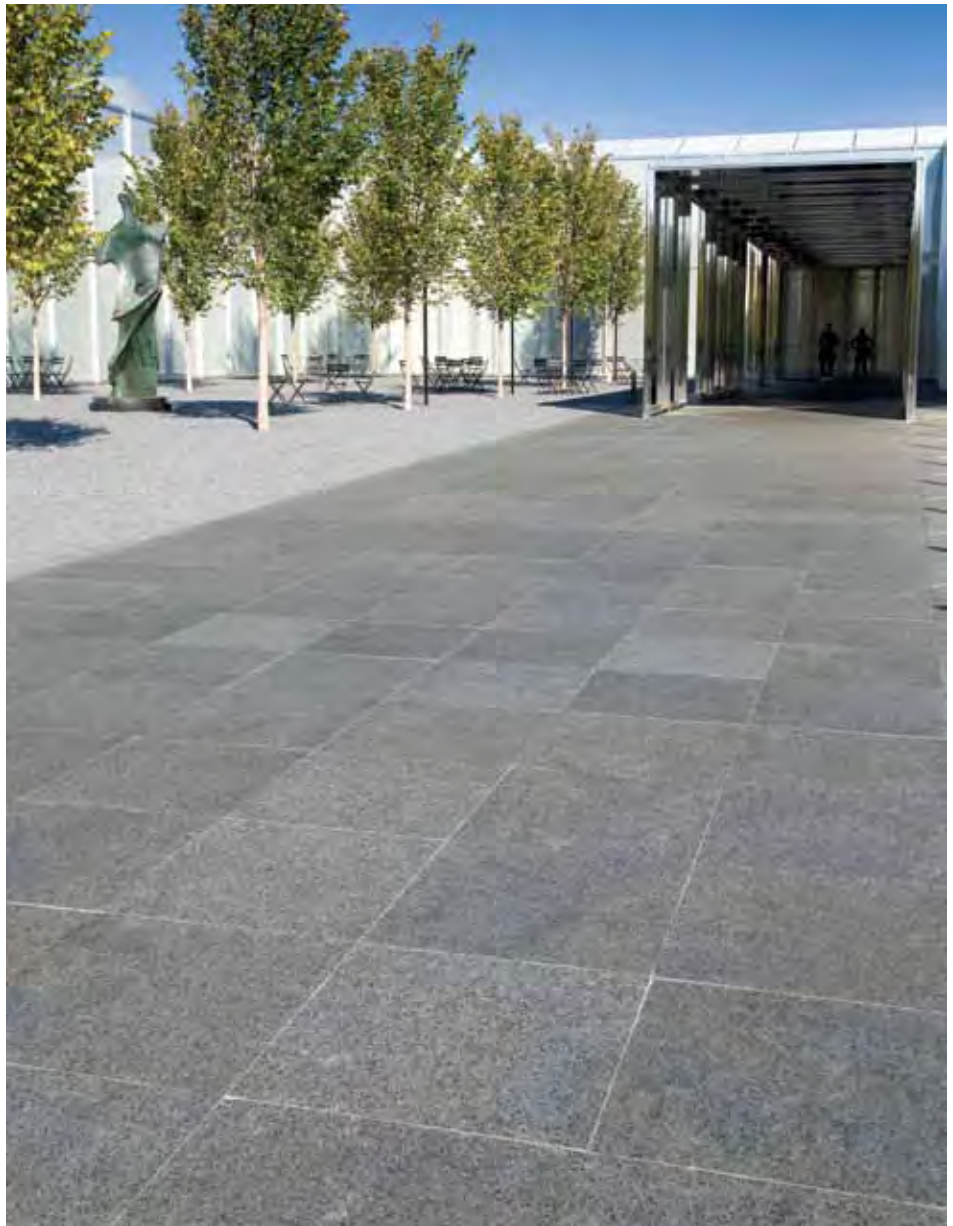
Please see back for Pedestrian vs. Vehicular Use Size Comparison Chart.

For moderate vehicular use, please refer to Hanover's Architectural Prest® Concrete Brick brochure and/or Hanover® Asphalt Block brochure.

Hanover® Granite Pavers are cut from natural stone granite, creating a naturally strong and beautiful pavement. With a hard wearing surface, Granite Pavers do not scratch or chip easily making them perfect for high traffic areas such as walkways and entrance ways. Hanover® Granite Pavers are resistant to stains, heat and freeze-thaw cycles. With careful selection of raw materials and production of pavers with the closest tolerances in the industry, Hanover® Granite Pavers add sophistication and value to all types of paving applications.

For projects that require immediate paver delivery, Hanover® Granite Pavers are stocked in six colors in a 23 1/2" x 23 1/2" x 2" size. These pavers have a thickness tolerance of (+/-) 1/16". Stocked Granite Pavers are available with a Thermal/Flamed finish. Additional custom colors, sizes and finishes are available on special order.

Quick availability and close tolerances provide incredible advantages to the architect, contractor and owner. Due to 1/16" tolerances, projects move forward at a faster pace and installation time is lessened.



Above Photo: North Carolina Museum of Art, Raleigh, NC; Design Architect: Thomas Phifer and Partners, New York, NY; Landscape Architect: Lappas + Havener, PA, Durham, NC; Size & Color: Granite Pavers, Basalt Black; Finish: Thermal

Granite Detectable Warning® Pavers



Hanover® can provide Granite Detectable Warning® Pavers as a custom order. Contact Hanover® for more information.

Hanover® Granite Cobbles are available as Individual Cobbles or as PreAssembled Cobbles in a wide range of sizes, patterns and textures.



Spring Street, Silver Spring, MD; Size & Color: 4" x 4", 4" x 8" Granite Cobbles, Mahogany; Finish: Splifface

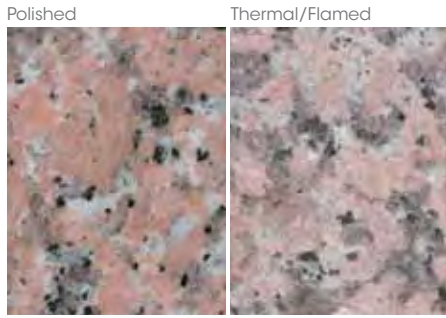
Individual Cobbles



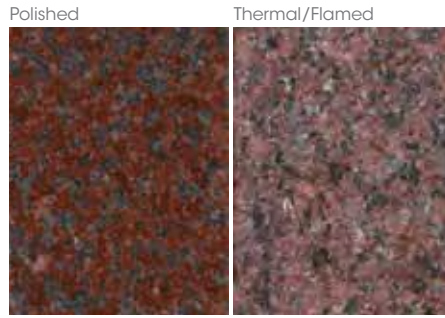
PreAssembled Cobbles



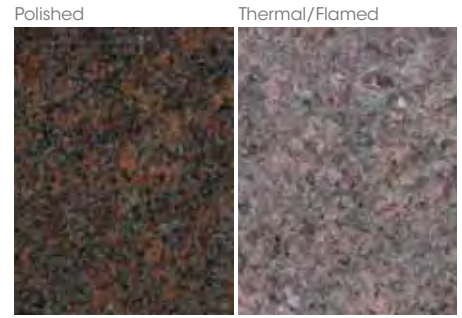
Stocked Size: 23 1/2" x 23 1/2" x 2" Stocked Finish: Thermal/Flamed Weight: 2" thickness=32 lbs/sf Tolerance: +/- 1/16"



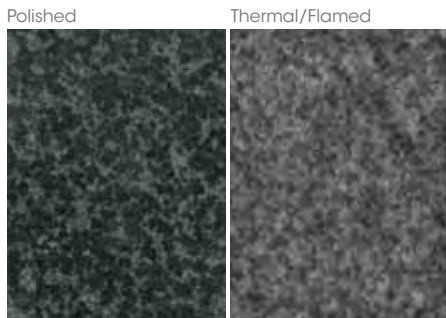
Carnation



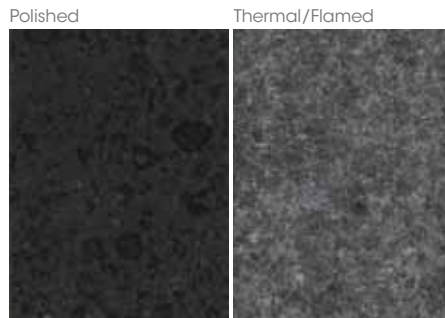
Imperial Red



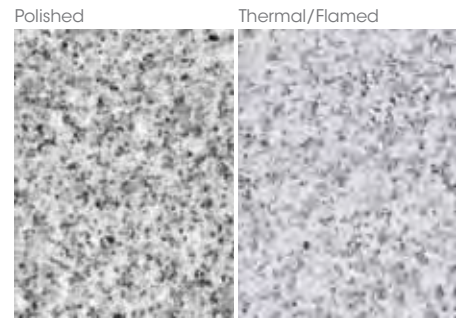
Mahogany



Evergreen



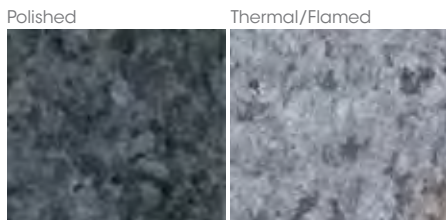
Basalt Black



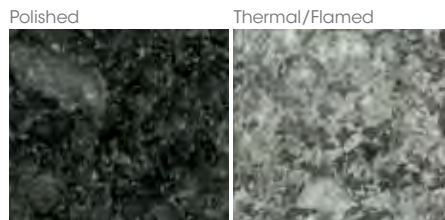
Ashford White

Hanover® Granite Pavers | Custom Colors

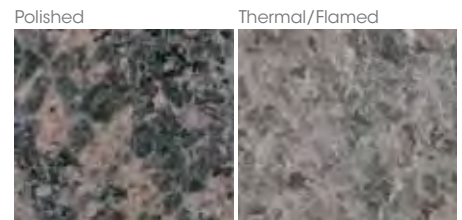
The colors shown are just a few of the custom colors Hanover® can provide. These colors are available with an approximate 16 week turnaround. Other colors are available on special order when quantities permit. Custom sizes or thicknesses can be accommodated.



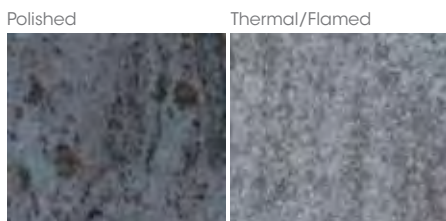
Blue Pearl



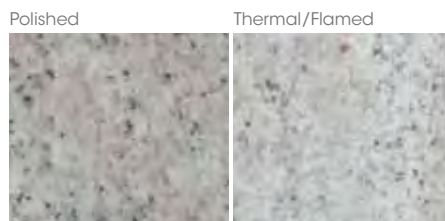
Butterfly Green



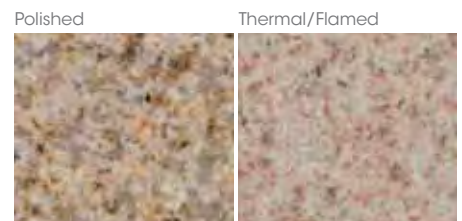
Leopard Skin



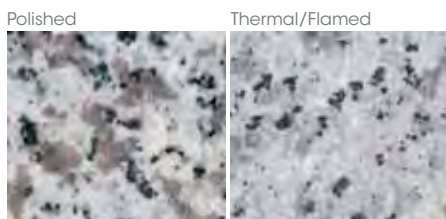
Bahama Blue



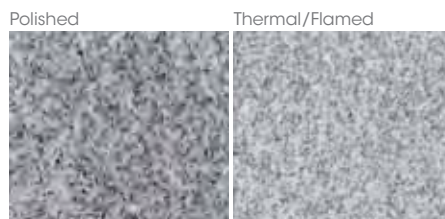
Champagne Mist



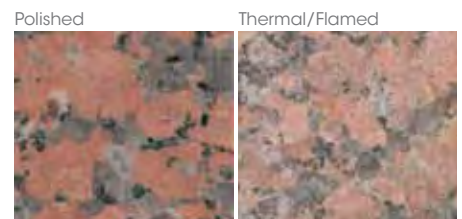
Rustic Yellow



White Flower



Silver White



Salmon Red

## Pedestrian vs. Vehicular Use Size Comparison

	Definitions	Pedestrian Use	Light Vehicular Use	Moderate Vehicular Use
		use by persons on foot and any mobility impaired persons using a wheelchair	pedestrian use & low speed, low volume residential and light commercial vehicular use	pedestrian use & low speed, moderate volume residential and moderate commercial vehicular use
Prest® Brick	Appian®	2 3/8" or thicker	2 3/8" or 3"	3"
	Traditional®	2 3/8" or thicker	2 3/8" or 3"	3" or 4"
	Multisided	2 3/8" or thicker	2 3/8" or 3"	3"
Prest® Pavers	11 3/4" x 11 3/4"	2" or thicker	3" *	-
	All Prest® Paver sizes are applicable for pedestrian use at a 2" or greater thickness.			
Asphalt Block	4" x 6", 6" x 6", 5" x 12"	1 1/4" - 3"	3"	3"
	6" x 12", 8" x 8"			
	8" Hexagonal	1 1/4" - 3"	-	-
	3D Diamond			
Elongated Hexagonal	1 3/4" - 2 1/4"	-	-	
Chapel Stone® Pavers	6" x 12" (approx.)	4"	4"	4"

\* The 11 3/4" x 11 3/4" x 3" Prest® Paver is applicable only in limited vehicular conditions. Please consult the Hanover® Technical Sales Staff for more information.

For vehicular applications, base materials must be engineered with the intended vehicular loading conditions in mind. Please contact our sales staff for more information. • Hanover® suggests, Prest® Pavers for urban environments have a thickness of 2 1/2". • Please Note: Not all sizes/colors are stocked materials. Some are only available through special order and when quantities permit. • Not all product styles are available in the full range of thicknesses. Please refer to Hanover's specific product literature for availability.

**Product Installation :** Each project and site conditions are unique. It is important to contact a Hanover® representative for product details and installation guidelines. An architect, landscape architect, and/or structural engineer should be consulted to develop a specification suited for the individual project. • Neither this catalog, nor any of the individual product catalogs from Hanover® Architectural Products, is intended to be a design manual. The projects pictured and the installation suggestions given in this catalog are only illustrations of Hanover® products. Each application and specification for installation should have the attention of an architect, landscape architect, and/or structural engineer. • As product use and site conditions are not within our control, Hanover® does not guarantee results from use of such products or other information herein: no warranty, express or implied is given. As government regulations and use conditions may change, it is the Buyers responsibility to determine the appropriateness of these products for the specific end uses.

**Please Note:** The color photos shown in this catalog were prepared with great concern for accuracy. However, it is suggested that actual samples be requested before specifying. Due to the natural variance of the raw materials used, products can be expected to differ slightly from sample to actual product. It is recommended that the products be cleaned after the installation is finished. Please contact our representatives for product suggestions.

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.

**Contact Us** for product details and information. We invite you to call us at 800-426-4242 to discuss your project, visit our web site [www.hanoverpavers.com](http://www.hanoverpavers.com) to download current catalogs and more detailed product information, or request our complete product brochures and samples.

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Cover Photos: Pennsylvania State University School of Law, Lewis Katz Building, University Park, PA; Architect: Polshek Partnership Architects, New York, NY; Size & Color: Various sizes, Antietam, M2632, M2656, M2632; Finish: Heavy Tudor®

Inside Cover Photos: Hilton Hotel, Baltimore, MD; Owner: Baltimore Hotel Corporation; Architect: RTKL Associates, Inc., Baltimore, MD; Size & Color: Various Sizes, #M2918, #M2960, #M2961; Finish: Tudor®

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