



Hanover® Architectural Products | Hanover® Asphalt Block





Hanover® Asphalt Block is a very unique paving alternative offering many distinctive advantages. Specialized methods of manufacturing enable the production of an extremely dense and durable paver with the ability to withstand “real world” conditions at their worst. Impressive test results prove Asphalt Block will withstand extreme weather fluctuations, resist sparks and support heavy static loads while complimenting any project in appearance. Available in several sizes and a variety of colors and textures, Hanover® Asphalt Block will enhance any project – commercial, residential or industrial. Projects which date back 100 years are still in use today!



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Produced with Post-Industrial Recycled Content, Hanover's Asphalt Block is an eco-friendly paving alternative.

See pages 6 and 9 for more information.

Hanover's Asphalt Block is a paving alternative with many unique characteristics. Specialized methods of manufacture produce an extremely dense paver with a less than 1% absorption rate. The result is a paver that is incredibly durable, yet attractive, and comfortable to walk on. Walkways paved with Asphalt Block which were installed over 100 years ago are still in use today. Aggregate blends can be added to produce an attractive range of color tones, including reds, tans, greens and shades of gray. Available in several sizes and textures, Hanover's Asphalt Block will benefit any project.



Above and Large Photos: Piazza de Santi at Franciscan University, Steubenville, OH; Architect: MCF Architects, Pittsburgh, PA; Size & Color: 6" x 12", 8" x 8", 12" x 12" Prest® Brick, A80011, A80013, A80018, A80020, A80024, Cream; Finish: Ground, Ground/ Tudor®, Tudor®

- Variety of sizes and shapes
- Durable with less than 1% absorption
- Longevity of project use
- Gauged for even thickness
- Comfortable walking surface
- Range of colorful aggregate blends
- Several attractive textures



Above Photo: U.S. Air Force Memorial, Arlington, VA; Owner: Air Force Memorial Foundation ; Architect: Pei Cobb Freed & Partners Architects LLP, New York, NY; Landscape Architect: Olin Partnership, Philadelphia, PA; Size & Color: 8" Hexagonal, A80014; Finish: Ground/Tudor®



Historic South Capitol Park, Harrisburg, PA; Landscape Architect: Hord Coplan Macht, Inc.; Size & Color: 5" x 12", 8" Hexagonal, A80016; Finish: Ground/Tudor®

Unit Size	Thickness
4" x 6"	1 1/4" - 3"
6" x 6"	
5" x 12"	
6" x 12"	
8" x 8"	
8" Hexagonal	
8" 3D Diamond	1 3/4" - 2 1/4"
Elongated Hexagonal	
All sizes apply to Commercial, Industrial and Residential Asphalt Block.	



Above Photo: Battery Park City, New York, NY; Owner: Battery Park City Authority, New York, NY; Landscape Architect: Michael Van Valkenburgh Associates, Inc., P.C., Cambridge, MA and New York, NY; Lead Engineer: ARUP New York, NY; Size & Color: 5" x 12", A80027; Finish: Ground/Tudor®



Produced with Post-Industrial Recycled Content, Hanover's Asphalt Block is an eco-friendly unique paving alternative.

See pages 6 and 9 for more information.

Left Photo: West Shore Park, Baltimore, MD; Lead Designer: Thomas Balsley Associates, New York, NY; Landscape Architect: Hord Coplan Macht, Baltimore, MD; Size & Color: 8" Hexagonal, 5" x 12", A80016; Finish: Ground/Tudor®

Hanover® Asphalt Block contain Post-Industrial Recycled Content.

When many people think of green building products, they think of products made from recycled materials. Buying building products with recycled content allows industry to keep a closed loop industrial cycle where products can continuously be recycled forever. By specifying Hanover® Asphalt Block you create a market that supports the recycling process. Whenever we can reuse a product instead of producing a new one from raw materials—especially if those raw materials are from recycled sources—we save resources and energy.

What are products with Post-Industrial Recycled Content?

Post-industrial recycling refers to the use of industrial byproducts—as distinguished from material that has been in consumer use. Some examples of post-industrial recycled material used in building products include asphalt road grindings; fly ash from the smoke stacks of coal-burning power plants; and PVC scrap from pipe manufacturing.



Above Photo: Union Square Park, Manhattan, NY; Owner: NYC Department of Parks and Recreation; Landscape Architect: Michael Van Valkenburgh Associates, Inc., Brooklyn, NY; Size & Color: 8" Hexagonal, A80020; Finish: Ground



Matrix #37 : 94% Post-Industrial Recycle Content

Percentage of recycled content ranges with the color of asphalt. See page 13 for percentages. Percentages of Recycled Content for other Asphalt Block are available upon request.



Above and Left Photos: Boston Convention Center, South Boston, MA; Landscape Architect: Richard Burck Associates, Somerville, MA; Size & Color: 8" x 8", A80014, #A80016; Finish: Ground/Tudor®

Hanover's 3D Diamond creates endless design possibilities. It can be used alone or combined with the nominal 8" x 8" asphalt block. As these pieces are turned and alternated using shape and color, a three dimensional effect emerges. Designs can be subtle or striking depending on the shape combinations and colors selected.

Hanover's 3D Diamond Asphalt Block creates amazing three dimensional effects.



Elongated Hexagonal Asphalt Block

Hanover's Elongated Hexagonal Asphalt Block can be installed with the 6" x 6" and 8" x 8" Asphalt Block. Thicknesses range from 1 3/4" to 2 1/4". Contact Hanover® for more information.

Please Note: Sizes shown are nominal.

Above and Large Photos: Capital Gallery, Washington, DC; Size & Color: 8" x 8", 3D Diamond, A80014, A80027; Finish: Ground, Ground/Tudor®

Hanover® Asphalt Block is an attractive versatile paver that is equally suited for commercial or residential applications. It is a unique paver which will offer the homeowner another paving solution. Being a unit paver, patterns can be developed through the use of different sizes, shapes, colored aggregates and textures.

The same qualities which make Asphalt Block beneficial for commercial applications also apply to residential installations. Hanover® Asphalt Block are comfortable to walk on, are extremely durable with a less than 1% absorption rate, and enable easy changes, repairs or replacements. The Ground and Ground/Tudor® finishes reveal aggregates beneath the surface, adding color and design to the project.



Above and Below Photos: Private Residence, Warren, NJ; Size & Color: 8" Hexagonal, A80013; Finish: Ground/Tudor®



Above Photo: Private Residence, Andover, MA; Size & Color: 8" Hexagonal, A80012; Finish: Ground/Tudor®



Industrial Asphalt Block



Hanover's Asphalt Block is suitable for industrial applications. Contact Hanover® for more information.

Asphalt Block is manufactured with colorful aggregates to produce an attractive paver. They are available in different colors, sizes, thicknesses and finishes. Additional custom blending is available on special order when quantities permit.

Asphalt Block Textures

Natural - This finish is smooth and does not reveal the aggregate beneath. The paver is entirely black in color.

Ground - This finish provides a smooth surface revealing the aggregates beneath. This adds to the look of the paver by contrasting against the black asphalt.

Ground/Tudor® - This finish adds a weathered or sandblasted appearance to the already ground surface. The aggregates take on an antiqued effect. The surface also offers slip resistance.

















Left: Ground/Tudor®
Right: Ground

Asphalt Block Colors

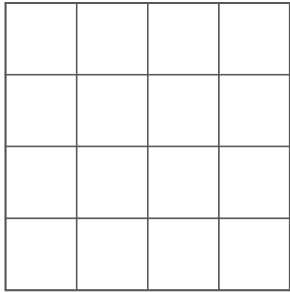
The blends shown below were developed by Hanover's efforts to respond to particular project requirements. These colors can be ordered in a wide range of sizes and thicknesses. Additional custom blending is available on special order when quantities permit. (The finish of the asphalt block can affect the appearance of the color. Please see above for available Asphalt Block Textures.)

Asphalt Block is made with Post-Industrial Recycled Content. Percentage of recycled content is shown beneath each color. Percentages are also available for other asphalt colors and are available upon request.

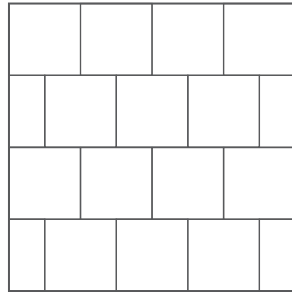
							
Matrix #9* Natural Finish 23.9%	Matrix #10* Ground Finish 23.6%	Matrix #11* Ground Finish 11.6%	Matrix #12* Ground Finish 24%	Matrix #13 Ground Finish 22.6%	Matrix #14* Ground Finish 13.4%	Matrix #16 Ground Finish 23.8%	Matrix #17 Ground Finish 20.8%
					<p>Highest Post-Industrial Recycled Content</p>  <p>Matrix #37 Ground Finish 94%</p>		
Matrix #18 Ground Finish 20.1%	Matrix #20 Ground Finish 11.4%	Matrix #24 Ground Finish 11.5%	Matrix #26 Ground Finish 24.4%	Matrix #33 Ground Finish 21.5%			

* Asphalt Block are produced for each order. However, these colors are suggested for projects that require a shorter lead time.

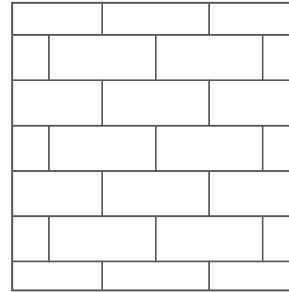
Commercial, Industrial and Residential Asphalt Block are available in eight sizes — 4" x 6", 6" x 6", 5" x 12", 6" x 12", 8" x 8", 8" Hexagonal, 3D Diamond and the Elongated Hexagonal. Thicknesses range from 1 1/4" to 3". Below are the installation designs that can be achieved using Hanover® Asphalt Block. For more detailed information about installation guidelines, please contact a Hanover® Representative.



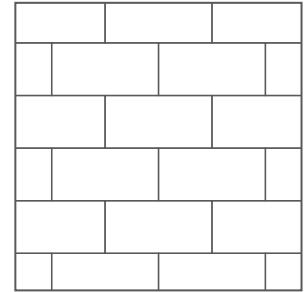
Stacked Bond
6" x 6" or 8" x 8"



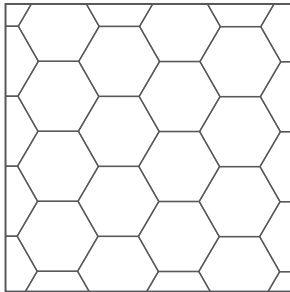
Running Bond
6" x 6" or 8" x 8"



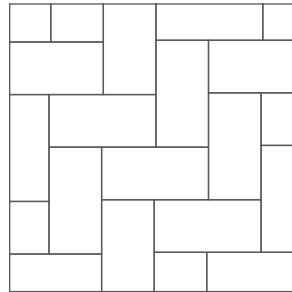
5" x 12" Running Bond



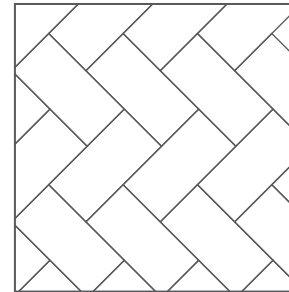
6" x 12" Running Bond



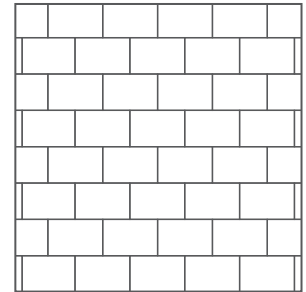
8" Hexagonal



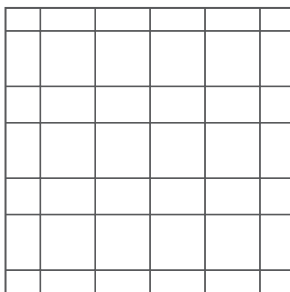
6" x 12" 90° Herringbone



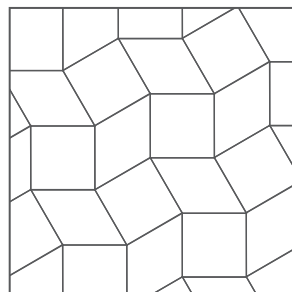
6" x 12" 45° Herringbone



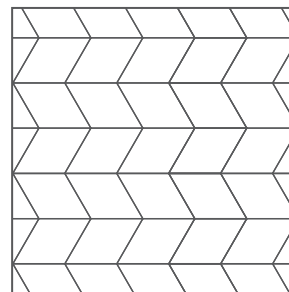
4" x 6" Running Bond



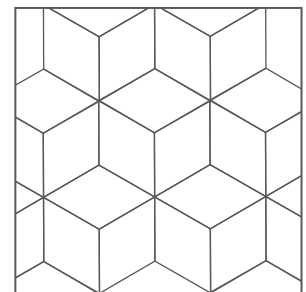
Installed Combination
4" x 6" and 6" x 6"



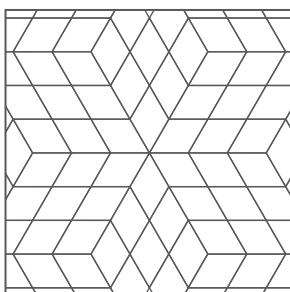
3D Diamond and 8" x 8"



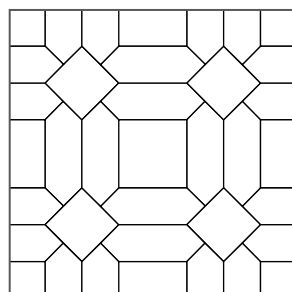
3D Diamond



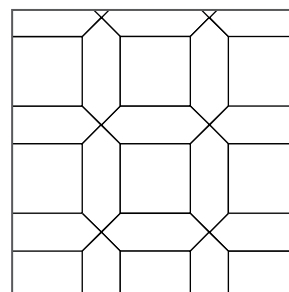
3D Diamond



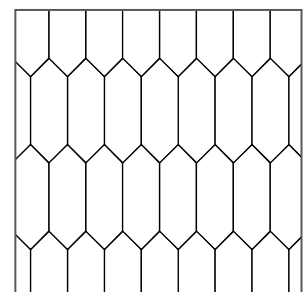
3D Diamond



6" x 6", 8" x 8" and
Elongated Hexagonal



8" x 8" and
Elongated Hexagonal



Elongated Hexagonal

The purpose of this testing was to evaluate the performance of Hanover® Architectural Products Asphalt Block pavers under various extreme environmental conditions. The results demonstrate the high degree of performance offered by this line of pavers and its ability to withstand “real world” conditions at their worst.



Indentation Resistance to Static Loads

Asphalt Block was evaluated for resistance to indentation under a 1000 psi load after exposure to various conditions. The samples were evaluated under the following conditions: 48 hours at 74° F, 48 hours at 150° F, three month immersion in calcium chloride, and three month immersion in motor oil.

Results

Condition:	Indentation at 1000 PSI (in.):
74° F	Average = 0.036"
150° F	Average = 0.073"
Calcium Chloride	Average = 0.052"
Motor Oil	Average = 0.101"

Absorption of Water

Hanover’s Asphalt Block was immersed in water for 72 hours and then tested for the amount of water which was absorbed. The results were under one percent. This shows the outstanding ability of the product to resist absorption.

Results

Average % Absorption = 0.85%

Brittleness at Low Temperature

Asphalt Block was immersed in water for 48 hours to saturate the pavers. The samples were then frozen at -40° F for 48 hours. While in a frozen state, each of the pavers was impacted using a 13.64 lb. drop dart with a 5/8” radiused tip at successively increasing drop heights. Each sample was impacted at its center.

Results

NO BREAK
using an impact drop dart at 13.64 lbs with a 5/8” radiused tip at various heights ranging from 4” to 39” producing an impact force of 532 lbs/in.

Resistance to Accelerated Weathering

Hanover® Asphalt Block was tested through 200 cycles of extreme temperature fluctuations. The test exposed the product to far more severe conditions in a concentrated amount of time than would normally occur in weather patterns.

Results

The paver had no apparent signs of degradation occurring under the repeated harsh conditions.

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	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 to download current catalogs and more detailed product information, or request our complete product brochures and samples.

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Cover Photos: Walter Sondheim Fountain, West Shore Park, Baltimore, MD; Lead Designer: Thomas Balsley Associates, New York, NY; Landscape Architect: Hord Coplan Macht, Baltimore, MD; Size & Color: 8" Hexagonal, 5" x 12", A80016; Finish: Ground/Tudor®

Inside Cover Photos: Georgetown Waterfront Park, Washington, DC; Owner: US Department of the Interior; Size & Color: 8" Hexagonal, 5" x 12" x 3", A80027; Finish: Ground/Tudor®

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