Floyd Bennett Field, Restoration of Hangars 1 & 2, Brooklyn, NY
Owner: National Parks Service
Architect: BL Companies
Size & Color: 5” x 12”, A00014, Finish: Ground
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!
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.

- 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

Produced with post-industrial recycled content, Hanover’s Asphalt Block is an eco-friendly paving alternative. See pages 7 and 9 for more information.
When a worn or weathered appearance is required, Hanover® can provide Asphalt Block with a Tumbled finish as shown above. Tumbled finish can be applied to any square or rectangular size.

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” x 6”</td>
<td></td>
</tr>
<tr>
<td>6” x 6”</td>
<td>1⅛” - 3”</td>
</tr>
<tr>
<td>5” x 12”</td>
<td></td>
</tr>
<tr>
<td>6” x 12”</td>
<td></td>
</tr>
<tr>
<td>8” x 8”</td>
<td></td>
</tr>
<tr>
<td>8” Hexagonal</td>
<td></td>
</tr>
<tr>
<td>3D Diamond</td>
<td></td>
</tr>
</tbody>
</table>

All sizes apply to Commercial, Industrial and Residential Asphalt Block.
HANOVER’S 3D DIAMOND ASPHALT BLOCK CREATES AMAZING THREE DIMENSIONAL EFFECTS.

3 D DIAMOND ASPHALT BLOCK

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.

BECAUSE OF SOUND REDUCING QUALITIES, HANOVER® ASPHALT BLOCK IS PERFECT FOR INTERIOR APPLICATIONS.

Shown above.

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

Middle School, Oakland, ME; Architect: Stephen Blatt Architect; Size & Color: 6” x 12”, A80017; Finish: Ground Tudor®, Tudor®

Above Photo: Boston Convention Center, South Boston, MA; Landscape Architect: Richard Buck Associates; Size & Color: 8” x 8”, A80014, A80016; Finish: Ground Tudor®
CHESAPEAKE COLLECTION ASPHALT BLOCK

Hanover® Asphalt Block have been infused with clam shells to create the newest addition to the Chesapeake Collection (shown above). The addition of recycled clam shells to the Asphalt Block boosts the recycled content, helping to earn LEED points and SS Credits. See page 9 for percentage of recycled content, as well as available colors and textures.

POST-INDUSTRIAL RECYCLED CONTENT

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

Post-Industrial, or Pre-Consumer, Recycled Content is the percentage of materials in a product that is recycled from manufacturing waste. Examples include asphalt road grindings, fly ash from the smoke stacks of coal-burning power plants, and PVC scrap from pipe manufacturing. Buying building products with recycled content allows industry to keep a closed loop industrial cycle. By specifying Hanover® Asphalt Block, you support the recycling process.

Percentage of recycled content ranges with the color of asphalt. See page 9 for percentages. Percentages of Recycled Content for other Asphalt Block are available upon request.
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.
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 texture of the asphalt block can affect the appearance of the color. See page 10 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.

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

Hanover® Asphalt Block | CHESAPEAKE COLLECTION COLORS

The colors shown below are part of Hanover’s Chesapeake Collection. Asphalt Block are infused with clam shells, increasing the recycled content. A wide range of sizes and thicknesses is available.

Percentage of recycled content is shown beneath each color.

PLEASE NOTE FOR ALL ASPHALT BLOCK: In order to prevent a premature natural oxidation effect, the top layer of Asphalt Block is packaged face down. Color will naturally lighten/brighten with exposure to UV light. This will allow all blocks to lighten/brighten at the same rate, creating a more uniform appearance.
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.

TUMBLED - Like the Ground Tudor® finish, this finish has weathered appearance. Edges are worn with no two pieces alike.

PLEASE NOTE: Photos are shown for texture selection. It is suggested that actual samples be requested before specifying.

Hanover® Asphalt Block | INSTALLATION DESIGNS

Commercial, Industrial and Residential Asphalt Block are available in seven sizes — 4" x 6", 6" x 6", 5" x 12", 6" x 12", 8" x 8", 8" Hexagonal and 3D Diamond. Thicknesses range from 11/4" 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.
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 74º F, 48 hours at 150º F, three month immersion in calcium chloride, and three month immersion in motor oil.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Indentation at 1000 PSI (in.):</th>
</tr>
</thead>
<tbody>
<tr>
<td>74º F</td>
<td>Average = 0.036”</td>
</tr>
<tr>
<td>150º F</td>
<td>Average = 0.073”</td>
</tr>
<tr>
<td>Calcium Chloride</td>
<td>Average = 0.052”</td>
</tr>
<tr>
<td>Motor Oil</td>
<td>Average = 0.101”</td>
</tr>
</tbody>
</table>

**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.

**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.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Average % Absorption = 0.85%</th>
</tr>
</thead>
</table>

**RESULTS**

**BRITTLENESS AT LOW TEMPERATURE**

Asphalt Block was immersed in water for 48 hours to saturate the pavers. The samples were then frozen at -40º 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.

**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 USAGE COMPARISON

<table>
<thead>
<tr>
<th>HANOVER® PRODUCT</th>
<th>MINIMUM THICKNESS</th>
<th>MINIMUM THICKNESS</th>
<th>MINIMUM THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASPHALT BLOCK</td>
<td>1 1/4&quot;</td>
<td>3&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>4&quot; x 6&quot;, 6&quot; x 6&quot;, 5&quot; x 12&quot;</td>
<td>1 1/4&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6&quot; x 12&quot;, 8&quot; x 8&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8&quot; Hexagonal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3D Diamond</td>
<td>1 1/4&quot;</td>
<td>NO LIGHT VEHICULAR USE</td>
<td>NO MODERATE VEHICULAR USE</td>
</tr>
</tbody>
</table>

For vehicular applications, base materials must be engineered with the intended vehicular loading conditions in mind. Please contact our sales staff for more information. • 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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