

HANOVER® GUIDELINE SPECIFICATION

Paving and Surfacing

Asphalt Block

Product Name: Hanover® Asphalt Block

Manufacturer: Hanover® Architectural Products,
5000 Hanover Road, Hanover, PA 17331
(717) 637-0500 • Fax (717) 637-7145
email: info@hanoverpavers.com • www.hanoverpavers.com

1 PRODUCT DESIGN:

Basic Use:

Any area capable of being paved can utilize Hanover® Asphalt Block. Hanover® Asphalt Block provide a surface equally suited to both municipal and urban projects. Installations will benefit from its appearance, slip resistant properties, and ability to withstand snow removal and freeze thaw conditions. Typical installations include plazas, walkways, pool areas, and courtyard/entry paving.

Composition and Materials:

Hanover® Asphalt Block shall be manufactured by Hanover® Architectural Products, 5000 Hanover Road, Hanover, PA 17331. They shall contain clean, hard, unweathered stone, which shall be crushed in such a manner that the particles shall be as nearly cubic as possible and vary in size up to 3/8". The inorganic dust or filler contained in the block shall be produced from sound limestone or other approved material.

Limitations:

For vehicular applications, review details with Hanover® Architectural Products Technical Department. Areas that are subject to spillage of petroleum products and solvents.

2 TECHNICAL DATA:

Application Standard:

The Asphalt cement shall conform to Type 3 asphalt ASTM Designation D-312 with a penetration at 77 Degrees F, 100 G, 5 sec of minimum 15mm and maximum of 35mm. The blocks shall have a permissible plus or minus tolerance of 1/8" in any direction. The average absorption of a set of four blocks shall not be more than .25%

Physical Characteristics:

Hanover® Asphalt Block are available in the following sizes, 4" x 6", 6" x 6", 5" x 12", 6" x 12", 8" x 8", 8" Hexagonal, 3D Diamond and Elongated Hexagonal. Thicknesses range from 1-1/4" to 3". Standard thickness is 2".

3 INSTALLATION:

Bituminous Setting Bed for Asphalt Block over Prepared Base:

Asphalt cement to be used in the bituminous setting bed shall conform to ASTM Designation D-3381, viscosity grade A.C. 10 or A.C. 20.

The fine aggregate to be used in the bituminous setting bed shall be clean, hard sand with durable particles and shall be free from adherent coating, lumps of clay, alkali salts, and organic matter. It shall be uniformly graded from "coarse" to "fine" and all passing the No. 4 sieve, and it shall meet the gradation requirements when tested in accordance with the standard method of test or sieve or screen analysis of fine and coarse aggregates ASTM Designation C-136-81.

The dried fine aggregates shall be combined with hot asphalt cement, and the mix shall be heated to approximately 300 degrees F at an asphalt plant. The approximate proportion of materials shall be seven (7) percent asphalt cement and ninety-three (93) percent fine aggregate. The contractor shall determine the exact proportions to produce the best possible mixture for construction of the bituminous setting bed to meet construction requirements.

Neoprene-Modified Asphalt Adhesive Under Asphalt Block:

MASTIC (Asphalt Adhesive)

Solids 75 +/- 1%

Lbs/Gal..... 8 - 8.5 lb.

Solvent Mineral Spirits (over 100 degrees F Flash)

BASE (2% Neoprene, 10% Asbestos-free Fibers, 88% Asphalt)

Melting Point - ASTM D-36..... 150 degrees F Min

Penetration - 77 degrees F 100 Gram Load

5 Second (.1mm) 23 - 27

Ductility - ASTM D-113-44 @ 25 degrees C

5cms/per minute 100 - 125cm Min.+

Place Bituminous Setting Bed for Asphalt Block:

To install the setting bed over the base surface prepared by others, place control bars directly over the base. The depth control bars must be set carefully to bring the pavers, when laid, to proper grade. Thickness of the finished setting bed shall be a nominal 3/4".

The setting bed shall be rolled with a power roller to a nominal depth of 3/4". The thickness shall be adjusted so that when the asphalt blocks are placed, the top surface of the pavers will be at the required grade. However, under no circumstances shall the setting bed exceed one (1") inch. Apply modified asphalt adhesive to setting bed surface by spreading with a squeegee to a uniform thickness of approximately 1/16".

After the modified asphalt adhesive is applied, carefully place the pavers by hand in straight courses with hand tight joints and uniform top surface. Good alignment must be kept, and the pattern shall be that shown on the plans.

Joint Fill for Asphalt Block:

Sweep clean sharp sand into the joints until they are full. For vehicular applications use a vibrating plate compactor over the entire surface making several passes. Refill the joints and sweep off excess sand.

4 AVAILABILITY

Hanover® Asphalt Block are readily available in the continental United States. For further information call Hanover® Architectural Products, Inc.

5 WARRANTY

Hanover® Architectural Products will certify specific pavers to meet or exceed internal standards as well as previously stated ASTM performance standards.

6 MAINTENANCE

Hanover® Asphalt Block require practically no maintenance if installed properly. Degree of soiling and staining will depend on type and amount of use over time. Contact manufacturer for information regarding cleaning of Asphalt Block pavers.

7 TECHNICAL SERVICES

Complete technical information and printed literature from manufacturer.

HANOVER®
Architectural Products
 5000 Hanover Road, Hanover, PA 17331
 717.637.0500 • fax 717.637.7145
 www.hanoverpavers.com