ARCHITECTURAL PAVING STONE

PRODUCT CATALOG

NITTERHOUSE
MASSORY PRODUCTS, LLC
Nitterhouse’s high strength Architectural Pavers combine durability with the natural beauty of aggregates showing throughout the product and finish. Our Architectural Pavers are produced to achieve an architectural uniform appearance while mimicking natural materials. We offer many color options to complement any project’s aesthetic.

**ARCHITECTURAL PAVING STONE**

All sizes are 1 7/8” thick. Other thicknesses are available upon request. Beveled edges standard, square edges available upon request. Pictured here 18” hexagon. Special sizes available upon request. *Color options on Page 16.*

**DIMENSIONS:**

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight (lbs)</th>
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<tbody>
<tr>
<td>12” x 12”</td>
<td>24</td>
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<td>48</td>
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</table>
Our Camina paving stone's signature grooves offer a unique linear look. The dimensions between the grooves are completely customizable. This paver is sure to set your creative imagination on fire when designing your next project whether it is outside of an apartment building or a new shopping plaza our Camina paver will be the perfect addition to any project.

All sizes are 1 7/8" thick. Other thicknesses are available upon request. 

Color options on Page 16.

**DIMENSIONS:**
- 12” x 12” 24lbs
- 12” x 24” 48lbs
- 18” x 18” 54lbs
- 18” x 24” 72lbs
- 24” x 24” 97lbs
- 24” x 30” 123lbs
- 24” x 36” 145lbs
URBAN STONE • THE 8300 FLATS, BETHESDA, MD
| DIMENSIONS: | 4" x 12" x 3 1/8" | 13 lbs |
| 4" x 18" x 3 1/8" | 19.5 lbs |
| 4" x 24" x 3 1/8" | 26 lbs |
| 4" x 12" x 2" | 8 lbs |
| 4" x 18" x 2" | 12 lbs |
| 4" x 24" x 2" | 16 lbs |

With its many variations in color and size, Urban Stone is a plank style paver that is unmatched in its design versatility. Urban Stone just like our other architectural paving stones is made with superior quality concrete strength that is durable and long lasting.

Extend outdoor living and commercial space with our plaza pavers manufactured with the same high strength and superior quality concrete as our architectural pavers. Nitterhouse plaza and roof deck pavers are designed to be either pedestal set or fully supported.

"12"x 24" bullnose pool coping and engraving available. All sizes are 1 7/8" thick. Other thicknesses are available upon request. Beveled edges standard, square edges available upon request. Color options on Page 16.

DIMENSIONS:

- 12"x 12"  24lbs
- 12"x 24"  48lbs
- 18"x 18"  54lbs
- 18"x 24"  72lbs
- 24"x 24"  97lbs
- 24"x 30"  123lbs
- 24"x 36"  145lbs
This sample is presented as a general representation of the product. Color of pieces will vary slightly from sample. Contact your Nitterhouse representative, 717-267-4500 for a physical sample.
SLATE PAVERS - STONE TOWER WINERY LEESBURG, VA
SLATE PAVERS

Get the look and texture of real slate along with the added strength of concrete with our machine pressed slate concrete paving stones. They are great for projects of all sizes both residential and commercial. All colors come in a natural finish. Sealing will enhance the color of the product. All sizes feature square edges, straight sides and consistent thickness.

**DIMENSIONS:**
- 12” x 12” x 2” 24lbs
- 12” x 24” x 2” 48lbs
- 18” x 18” x 2” 54lbs
- 18” x 24” x 2” 72lbs
- 24” x 24” x 2” 96lbs
- 24” x 36” x 2” 145lbs
VIP PAVERS

Our VIP Pavers for visually impaired pedestrians are compliant with the ADA Act. Nitterhouse’s VIP Pavers are highly durable, functional pavers. The top surface of each VIP Paver has raised truncated domes which create a textured surface treatment. These pavers alert those with limited or impaired vision to changes in their paths of travel, such as curbs, drop-offs, and other potential hazards ahead.

DIMENSIONS: 12”x 12” x 2” 24lbs 24”x 24”x 2” 96lbs
ARCHITECTURAL PAVING STONES - SPECIFICATIONS

SECTION 02780 Specifications for Unit Paving Stones

PART 1 - GENERAL

1.01 SECTION INCLUDES
A. Concrete paver units. [Concrete paver edge units.]
B. Bedding and joint sand.
C. Edge restraints.

1.02 RELATED SECTIONS
A. Section: [-] - Curbs and Drains.
B. Section: [-] - Aggregate Base.
C. Section: [-] - Cement Treated Base.
D. Section: [-] - Asphalt Treated Base.
E. Section: [-] - Pavements, Asphalt and Concrete.
F. Section: [-] - Roofing Materials.
  D. Thermoplastic and Neoprene Setting Bed.
H. Section: [-] - Geotextiles.

1.03 REFERENCES
Note: Use the latest editions of the references:
A. American Society of Testing and Materials (ASTM):
  2. C 936, Specifiction for Solid Interlocking Concrete Masonry Units.
  3. C 140, Sampling and Testing Concrete Masonry Units.
  5. C 979, Specification for Pigments for Integrally Colored Concrete.
  8. C 1575, Test Method for Moisture Density Relations of Soil and Soil Aggregates Mixtures Using a 5.5 lb. (2.49 kg) Rammer and 12 in. (305 mm) drop.

1.04 QUALITY ASSURANCE
A. Installation by a contractor and crew with at least one year of experience in placing concrete pavers on projects of similar nature or dollar cost.
B. Contractor shall conform to all local, state/provincial, federal licensing and bonding requirements.

1.05 SUBMITTALS
A. Shop or product drawings, and product data.
B. Full size samples of concrete paving units to indicate color and shape selections. Color will be selected by Architect/Engineer/Landscape Architect/Owner from manufacturer’s available colors.
C. Indicating drawing layout, pattern, and relationship of paving joints to fixtures and project formed

1.06 MOCK-UPS
A. Install a (4 ft. x 4 ft.) paver area
B. This area will be used to determine surcharge of the bedding sand layer, joint sizes, lines, laying pattern(s), color(s), and texture of the job.
C. Approved by the engineer/architect and shall be the standard from which the work will be judged.
D. Approved area shall be included in the work.

1.07 DELIVERY, STORAGE, AND HANDLING
A. Deliver concrete pavers to site in steed banded, plastic banded, or plastic wrapped cubes on wooden pallets capable of transport by fork lift.
B. Unload pavers at job site in such a manner that no damage occurs to the product.

1.08 ENVIRONMENTAL CONDITIONS
A. Do not install sand or pavers during heavy rain or snowfall.
B. Do not install sand and pavers over frozen base materials.
C. Do not install frozen sand.

PART 2 - PRODUCTS

2.01 CONCRETE PAVERS
Paving Stone Supplier supplier shall be:
Nitterhouse Masonry Products LLC 859 Cleveland Ave. Chambersburg, PA. 17201
Phone 717-267-4570 Fax 717-267-4527

TECHNICAL DATA
A. Architectural Paving Stones
B. Product - name(s):
  1. shapel(s):
  2. Color(s):

C. Overall dimensions of the paver(s):
Furnish pavers meeting the following requirements:

Compressive Strength: Average compressive strength of 55 MPa (8,500 psi) with no individual unit under 50 MPa.
Absorption: Average absorption of less than 5% - tested in accordance with ASTM C 147.
Flexural Strength: The paver stones have an average flexural strength of 870 PSI - tested in accordance with NCMA testing procedures min. required strength 650 psi.
Freeze-Thaw Durability: Less than 1% weight loss - ASTM C 1262.

Weight: 24.5 lbs./sq. ft. based 2” on standard thickness.
Cement: Portland Cement conforming to ASTM C-150.
Pigments: Use pigment conforming to ASTM C 979.

2.04 EDGE RESTRAINTS
Note: Edge Restraints various types.
A. Concrete, Plastic, Wood, Metal. Any that will restrain the pavers from moving laterally.

PART 3 - EXECUTION

3.06 EXAMINATION
Note: For installation on a compacted aggregate base and soil subgrade, the specifier should be aware that the top surface of the pavers may be 1 mm (3/8”) above the final elevations after installation. This difference in initial and final elevation is to compensate for possible minor settling.
A. Verify that subgrade preparation, compacted density and elevations conform to the specifications.
B. Verify that subgrade base material is tested according to the specifications.
C. Verify that aggregate base materials, thickness, composition, surface tolerances, and elevations conform to the specifications.

Note: Local aggregate base materials typical to those used for flexible pavements are recommended, or those conforming to ASTM C 2940. Compaction to not less than 95% Proctor Density per ASTM D 968 is recommended. Stabilization of the subbase and/or base material may be necessary with weak or saturated subgrade soils. The Architect/Engineer should inspect subgrade preparation, elevations, and conduct density tests for conformance to specifications.
B. Verify that geotextiles, if applicable, have been place according to specifications.
C. Verify that aggregate base materials, thickness, composition, surface tolerances, and elevations conform to the specifications.

Note: Local aggregate base materials typical to those used for flexible pavements are recommended, or those conforming to ASTM C 979. Compaction to not less than 95% Proctor Density per ASTM D 968 is recommended. Stabilization of the subbase and/or base material may be necessary with weak or saturated subgrade soils. The Architect/Engineer should inspect subgrade preparation, elevations, and conduct density tests for conformance to specifications.

Note: Local aggregate base materials typical to those used for flexible pavements are recommended, or those conforming to ASTM C 979. Compaction to not less than 95% Proctor Density per ASTM D 968 is recommended. Stabilization of the subbase and/or base material may be necessary with weak or saturated subgrade soils. The Architect/Engineer should inspect subgrade preparation, elevations, and conduct density tests for conformance to specifications.

Note: Do not use a plate or any other compactor on the pavers. The final elevation is to be used as the final elevation of the paving stone.