Concrete pavers are strong, durable, easy to install, and provide a value added option on any project.

**Accessibility**

Concrete pavers comply with ADA requirements for slip resistance, surface level and vibration levels.

**Bond Patterns**

A wide variety of bond patterns is possible. This is just a small sample of possible bond patterns.

(Note: All quantities based on a 10 x 10 sq. ft. area.)
**ASTM Specifications**

ASTM C 936 Standard Specification for Solid Concrete Interlocking Paving Units

**Physical Property Requirements**

- Compressive Strength: 8,000 psi
- Absorption: 5% Max Avg. 7% Max Individual Unit
- Minimum Thickness: 60mm

**Dimensional Tolerances**

- Length: ± 1/16”
- Width: ± 1/16”
- Height: ± 1/8”

**Recommended Paving Design Sections**

60mm Concrete Pavers

- Min. 1/16 in. to Max. 3/16 in. Sand Filled Joints
- Min. 3/4 in. to Max. 1 in. Sand Setting Bed

Min. 4 in. Compacted Aggregate Base

Compacted Subgrade

Typical Residential Patio or Walkway

90mm Concrete Pavers

- Min. 1/16 in. to Max. 3/16 in. Sand Filled Joints
- Min. 3/4 in. to Max. 1 in. Sand Setting Bed

Min. 4 in. Concrete or Compacted Aggregate or 3 in. Asphalt

Min. 4 in. Compacted Aggregate

Compacted Subgrade

Typical Residential Driveway

(Note: For more applications / details visit the General Shale website [www.generalshale.com](http://www.generalshale.com) Technical Resource section.)

**Large Format Pavers**

Large format pavers or “stepping stones” (9” x 9” and 12” x 12”) are intended for pedestrian walking surfaces or patios and are not recommended for vehicular applications.
### Aggregates

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>ASTM Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Stone</td>
<td>Sand – Setting Base</td>
<td>ASTM D 2940</td>
</tr>
<tr>
<td>DOT Road Base</td>
<td>Course Concrete Sand</td>
<td>ASTM C 33</td>
</tr>
<tr>
<td></td>
<td>Sand - Jointing</td>
<td>ASTM C 144</td>
</tr>
<tr>
<td></td>
<td>Masonry Sand</td>
<td>(Use after initial compaction with concrete sand)</td>
</tr>
</tbody>
</table>

### Drainage

Slope surface a minimum of 1/4” per foot (2% slope) for adequate water run-off and drainage.

### Geotextile

Prevents aggregates from mixing or migrating into base. Recommended for soft clay base materials.

### Cutting Pavers

Wet saw is recommended; splitters are okay for smaller jobs.

### Estimating Materials

**Sub Base Aggregate**

3/4” crusher run. For every 100 sq. ft. of area figure 2 tons material for 4” thick base.

**Setting Sand / Bed Sand**

For every 125 sq. ft. of area figure 1 ton of sand for jointing and 1” thick setting bed.
Additional Bond Patterns

These patterns feature the 9x9 and 12x12 sizes of the Pathway Concrete Pavers.

- 6X9 – 126 PIECES
- 12X12 – 60 PIECES
- 6X6 – 64 PIECES
- 6X9 – 128 PIECES
- 9X9 – 64 PIECES
- 6X6 – 106 PIECES
- 9X9 – 60 PIECES
- 12X12 – 45 PIECES
- 6X6 – 76 PIECES
- 12X12 – 85 PIECES
- 6X6 – 76 PIECES
- 9X9 – 150 PIECES
- 6X9 – 115 PIECES
- 9X9 – 117 PIECES
- 6X6 – 200 PIECES
- 12X12 – 53 PIECES
- 3X6 – 50 PIECES
- 6X6 – 100 PIECES
- 6X9 – 50 PIECES
- 12X12 – 60 PIECES
- 3X6 – 84 PIECES
- 6X6 – 43 PIECES
- 6X9 – 44 PIECES
- 9X9 – 46 PIECES
- 12X12 – 47 PIECES
3X6 – 81 PIECES
6X6 – 122 PIECES
9X9 – 43 PIECES
12X12 – 45 PIECES