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

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

Typical Residential Patio or Walkway

Min. 4 in. Compacted Aggregate Base
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
Compacted Subgrade

Typical Residential Driveway

Min. 4 in. Concrete or Compacted Aggregate or 3 in. Asphalt
Min. 4 in. Compacted Aggregate
Min. 4 in. Compacted Aggregate Base
60mm- 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
Compacted Subgrade

Note: In addition to ASTM conformance, ICPI recommends a maximum 3:1 aspect ratio (length ÷ thickness) and a minimum 3 1/8 in. (80 mm) thickness for vehicular applications. Residential driveways and pedestrian applications should use a minimum 2 3/8 in. (60 mm) thick units with a maximum 4:1 aspect ratio.
**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>Base Stone</th>
<th>Sand – Setting Base</th>
<th>Sand - Jointing</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D 2940</td>
<td>ASTM C 33</td>
<td>ASTM C 144</td>
</tr>
<tr>
<td>DOT Road Base</td>
<td>Course Concrete Sand</td>
<td>Masonry Sand (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.
Pattern 1
Bond

3X6 – 81 PIECES
6X6 – 122 PIECES
9X9 – 43 PIECES
12X12 – 45 PIECES