

## Paver Shield // Preparation & Installation

Proper foundation preparation for the pavers is essential to maximize square footage coverage of the Paver Shield sealant. The Interlocking Concrete Pavement Institute recommends that these steps be followed for proper installation of the paver application. By adhering to the following installation method, application square footage of the sealant will be maximized.

- 1 Once excavation has been complete, the soil subgrade should be compacted.
- 2 Aggregate base materials should be applied and conform to the same standards as the base material used under asphalt. The thickness base depends on the strength of the soil, drainage, climate and traffic loads. Minimum aggregates bases for walks should be 4 to 6 in. (100 to 150 mm), driveways 6 to 8 in. (150 to 200 mm) and streets 8 to 12 in. (200 to 300 mm). Compaction of the aggregate base under pedestrian and residential driveways should then be compacted to at least 98% of the standard Proctor density (pre ASTM D 698). The aggregate base should be compacted to at least 98% modified Proctor density (per ASTM D 1557) for vehicular areas.
- 3 A bedding sand should be applied to an even thickness of 1 in. to 1 ½ in. (25 to 40 mm). Bedding sand should conform to the grading requirements of ASTM C 33 or CSAA23.1-FA1. Do not use mason sand.
- 4 After the pavers are set, sand should be swept into the joint and then the whole installation should be compacted.
- 5 Ensure pavers' surface is thoroughly swept. Apply sealant to the surface of pavers liberally and spread all surplus sealant with a squeegee. Paver joints should be flooded to ensure proper penetration to the bottom of the paver and to ensure full joint stabilization.



### Temperature & Cure Times

Temperature F°	40°	50°	60°	70°	80°	90°	100°	110°
Time required before freezing(hrs.)*	5	2	1					
Time required before heavy traffic(hrs.)	48	36	28	24	20	16	12	8

\* Colder temperatures require at least these times before the ground temperature drops below freezing. Sealant requires 24 hours before a storm or rain to cure.

### Application Tools

Paver shield is formulated using high-tech polymers which can be damaged if improperly applied. Any piston driven or impeller driven pump may damage the polymer. See chart for details.

Small Applications	Garden type sprayer or pour from container
Mid Sized Applications	Customized System*
Large Applications or Installers	3 – 4 GPM flowjet pump w/ 12 V system

\* Interlock offers a 30 gallon system for mid size projects. Please call for details.

### Horizontal Surface Nozzles

For horizontal surface applications, a multi-hole sprayer (similar to a shower head) should be used. Care should be taken not to wash away sand during the application process.

### Vertical Surface Nozzles

An 80° nozzle should be used for vertical surfaces. Application volumes in excess of 2 GPM could waste material.