

# Installation Guidelines

## Hanover® PreAssembled Granite Cobbles

### 1 Base:

The base should be a firm concrete, designed to support the intended load. Rebar or wire reinforcement is recommended. The base must be stabilized and sloped for the draining of surface water. Requirements and regulations are different for each municipality. Contact your local authority for specific installation requirements and applicable codes.

### Vehicular Applications:

For vehicular applications, the base must be 6" - 8" of concrete. Rebar or wire reinforcement is recommended.

### Light Vehicular Application:

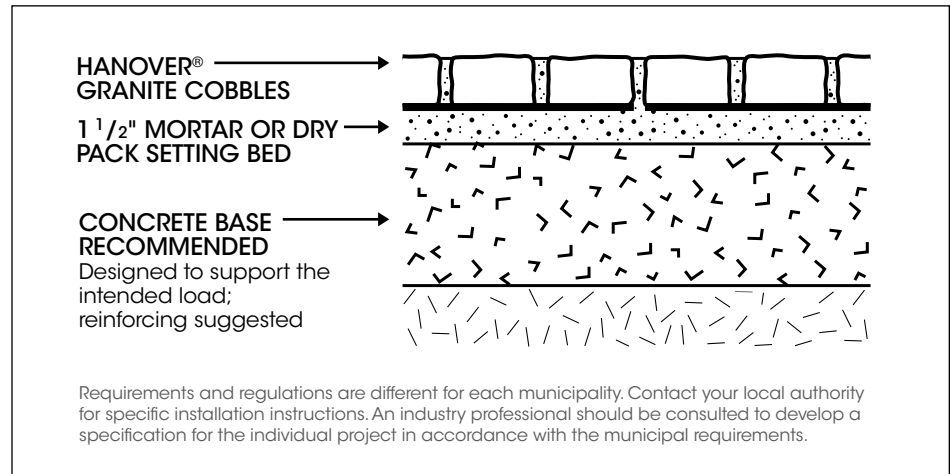
For light vehicular applications, the base must be 3 1/2" - 4" of concrete. Rebar or wire reinforcement is recommended.

### 2 Setting Bed:

The setting bed is placed directly over the prepared concrete base. Setting bed should consist of 1 1/2" wet mortar or dry pack bedding. Regardless of type, the setting bed must be supportive of cobbles, in contrast to the consistency of a bricklayer's wet mortar mix which would sag. Be sure to contact your local authority for specific setting bed requirements.

**Wet Mortar:** After modules are set, wet or mist the surface of the cobbles with water.

**Dry Pack:** After modules are set, wet the entire installation with water. This will activate the mortar and adhere the granite cobbles.



### 3 Placing of the Granite Cobble Modules:

Place Granite Cobble modules over the prepared setting bed. Granite Cobble modules should be placed against each other, minimizing the spaces between them to create the appearance of each individual cobble being hand set without modular definition. DO NOT plate compact. The mortar mix is intended to act as a leveling bed and plate compaction can disturb that bedding. To bring top surfaces of cobbles to uniformity, hand tamp using a 2" x 4" and rubber mallet.

#### Styles of Granite Cobbles:

- Individual Cobbles
- PreAssembled Cobbles

#### Sides:

Split or Sawn

#### Finish:

Split or Thermal/Flamed

### 4 Grouting:

Wet grout is applied and pushed into every joint using a broom or rubber squeegee.

### Cleaning and Finishing:

Grout will begin to set (or harden) in one hour. As soon as the grout starts to set, clean the surface by removing excess grout with large blankets or sponges aided by a flow of water and acid solution wash if necessary.

Please Note: These installation guidelines are recommendations only. Individual installation techniques may vary depending on geographic location and municipal requirements. For installation of Individual Cobbles, please contact Hanover®.

Requirements and regulations are different for each municipality. Contact your local authority for specific installation instructions. An industry professional should be consulted to develop a specification for the individual project in accordance with the municipal requirements.

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