

## FLAGSTONE AND PAVER INSTALLATION GUIDE

Thank you for your interest in installing Rosetta paving products. You will find that these products truly combine the look of natural stone with the efficiency and consistency of concrete pavers. The following guide lays out proper installation techniques for Rosetta Grand, Dimensional, and Flagstone slabs as well as for Mission Pavers. For optimal color blending install products from several different pallets simultaneously.

### 1. SAFETY

Make safety your top priority when installing Rosetta paving products. Before starting your project, be sure to address the following points:

- Contact your local utility marking service prior to making any excavation. Be sure to follow all governmental safety regulations.
- Always wear the appropriate personal protective equipment (PPE) including gloves, steel toed boots, safety glasses, hearing protection, respiratory protection, and any other needed safety gear.
- Flagstone slabs are heavy. Follow proper lifting techniques to avoid back injury. Also, use two people to set larger pieces.

### 2. PROJECT PLANNING

The first step in installing Rosetta paving products is to plan your project. Paver layout and placement is important to insure a functional and good looking installation. Remember, Rosetta flagstone products are suitable for pedestrian loading only (patios, walkways, etc.) and will not support the load of a vehicle. Mission Pavers are suitable for vehicular loading.

### 3. EXCAVATION AND BASE PREPARATION

Once you are ready to start construction, you will need to lay out the project area. Mark out the area of the installation with marking paint. Mark a second line 12" (305 mm) outside of the first line that indicates the area to be excavated. This over-excavation will allow for proper base installation.

Excavate to the required depth and grade for the installation of the specific Rosetta paving product you are installing (see cross sections for minimum recommended excavation depths). Once the excavation depth has been established, compact the sub-grade well using a plate tamper. At this point, Rosetta Hardscapes recommends laying a woven geotextile down before applying any granular base materials.

**PERMEABLE INSTALLATIONS:** Unless specified, avoid compaction of existing sub-grade soils if installing a permeable pavement.

### 4. PLACE THE COMPACTED GRAVEL BASE

For standard paver and flagstone installations, begin by spreading half of granular base material in the excavation. (Note: Lifts should not exceed 6" (150 mm) in thickness.) Compact this first lift to 98% standard proctor using a plate tamper and adding water as needed. Add the second lift of granular material and compact in the same manner as the first. For permeable paver installations, install open-graded sub-base and base course material as specified in the project drawings.

**KEY POINT:** When installing granular base materials, be sure to consider proper grades to prevent water from standing on the surface and make sure water is directed away from building structures.

### 5. PAVER INSTALLATION

Bedding material requirements and paver installation vary by product type. Please see the following product specific installation instructions and tips for more details on paver installation.

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**For the most natural appearance, install products from multiple pallets simultaneously. This will create a more blended, natural look.**

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# INSTALLATION INSTRUCTIONS

## DIMENSIONAL FLAGSTONE

### DIMENSIONAL FLAGSTONE INSTALLATION

**BEDDING SAND INSTALLATION:** Using screed rails on the compacted granular base, apply bedding sand at a maximum thickness of 1" (25mm). By using a screed board along the top of the screed rails, the bedding sand will level evenly. Bedding sand should be compacted since Dimensional Flagstone slabs should not be compacted after installation.

#### FLAGSTONE INSTALLATION:

- Begin by laying the individual pieces of Dimensional Flagstone on the screeded bedding material according to your detailed project plan.
- Push flagstone slabs directly together so the bottom edges butt tight. There is no need to space the slabs to create the necessary joint. Joint is pre-set in the unit.
- Cut units as needed to finish edges of installation.
- *NOTE: To ensure proper color distribution, mix layers from several bundles at one time.*

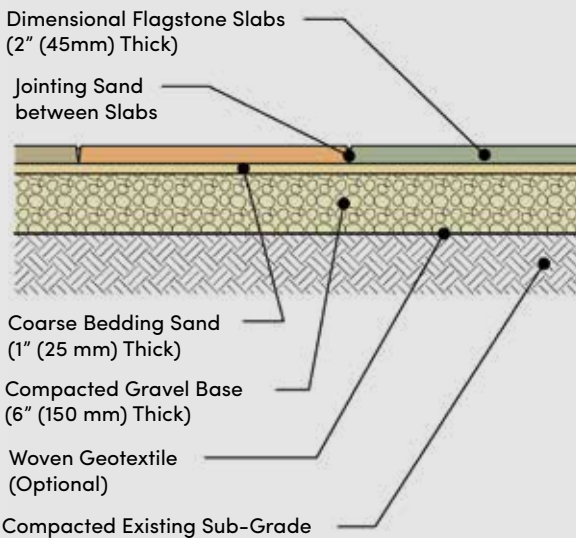
**JOINT SAND INSTALLATION:** Once the flagstone pieces are installed, fill all joints with jointing sand suitable for large joints. Sweep the sand into the joints between flagstones until the joints are completely filled. Follow the jointing sand manufacturer's recommendations for wetting the sand. You may need to repeat this process with more dry sand in a few days to completely fill the joints between individual slabs.

**CAUTION:** *Dimensional Flagstone slabs should not be compacted after installation.*

**OTHER CONSIDERATIONS:** You may want to apply a sealer to protect the flagstone slabs from spills and stains. Always use a high quality sealer specifically formulated for wet-cast concrete.

**Not suitable for vehicular traffic**

### DIMENSIONAL FLAGSTONE CROSS-SECTION



### WALKWAY LAYOUT



### PATIO LAYOUT

