

COMPACTED GRAVEL STONE SUBBASE INSTALLATION INSTRUCTIONS AND GUIDELINES

Once the Playground Equipment is installed and the Site Preparation (Excavation, Grading, Leveling), has been completed, then please follow these guidelines as to correctly prepare crushed gravel subbase for Playpave PIP Safety Surfacing

- Excavate the space to the desired depth. Gravel is typically installed at a thickness of 4"–6". Deeper depths are case specific.
- 'Suggested Gravel Types' for compaction:
 - a. RCA (Recycled Concrete Aggregate)
 - b. Dense Grade Gravel
 - c. Crusher Run
 - d. Road Stone
 - e. ABC Stone
 - f. HPB (High Performance Bedding)
- Depending on state regulations, specifications may require a clean $\frac{3}{4}$ " stone. Which is the $\frac{3}{4}$ " gravel only without any dust included. This stone type is better for drainage purposes but as functional for compaction purposes. Therefore, it may be more vulnerable to future voids and low pockets due to stone movement under the rubber PIP surface. (This is a gravel issue and not a PIP issue).
- Upon the area being properly prepared at the correct depth, start installing the gravel in increments of 4" thickness. Install gravel in 4" sections at a time and compact once done. So if the site calls for 6" of gravel, install the first 4", compact the first 4" then install the remaining 2" and compact. So install in increments of 4" until desired thickness is met.
- Favored technique for compaction is to make horizontal then vertical passes with the plate compactor, passing twice in each direction.
- Gravel subbase should be compacted down to achieve a 95% compaction rate when using the 'Suggested Gravel Types' However this will not be achievable if using anything over 1" clean blend.



Playpave LLC.
PO Box 184 Rockville Center, NY 11570
Phone: 1-603-800-6716
Web: www.playpave.com



- It is recommended to water down the compacted stone when using the plate tamper. Add a small amount of water. This will help the gravel sub base harden.
- Ensure the gravel has a 1% - 2% slope going from the center of the area to the outer edges.
- The finished gravel height should be installed +/- .5" from the finished grade height.
- For turndown edges install gravel at a 45° angle downwards and compact. At the bottom of the subgrade remove approximately a 2" cavity in the subgrade surrounding the surface area for the PIP rubber edges can be poured below the grade of the aggregate. This is creating a keyway effect for the rubber to be tucked into creating durability for the surface edges.
- Once the gravel is complete and the PIP rubber surface is installed, (if applicable) turndown edges of surrounding areas will need to be backfilled to meet the top edge of the rubber surfacing. (Ask Playpave Rep for Edge Detail if needed)

Note: If sub base is performed by an outside contractor and not by Playpave LLC. then we are not liable or to be held responsible for any PIP Rubber issues that are a result of subbase failure. Please reach out to Playpave LLC. staff for any technical questions related to sub base installation guidelines.

