VersaCourt
Outdoor Court Foundation Panel
Installation Instructions

Greatmats.com
117 Industrial Ave
Milltown, WI 54858
877-822-6622

Non-Ball Bounce Installation

In the case of a soccer court, deck hockey or any other game court where ball bounce is not vital, the following steps should be followed on existing soils:

1 Determine the drainage and expansive quality of the soil where the court is to be installed and decide if the ground is stable and drains adequately. Contact a local soils engineer if necessary. In some cases, the existing ground may require nothing more than removing the organics through sod cutting, compacting the area using a commercially available plate compactor which can be rented at most home improvement centers. Grade the sub-base to a flat or slightly pitched surface. If it is determined that the soil is not able to be adequately compacted, compactable stone may need to be added to the sub-grade to create required stability. Adding stone may require removing more soil to achieve the proper finished grade. (Image 1)

Image 1

2 Cover the area with a permeable geosynthetic stabilization fabric. This will allow drain water to filter directly into the sub-grade. If you have determined that the ground will not drain properly or you have expansive soils, then using an impermeable woven fabric to starve the moisture from the sub-base will be required. With the impermeable fabric installation, a perimeter drain system or a pitched base will be required to allow rain to flow under the panels and out to a designated location. (Image 2)

Image 2

3 Once the fabric is installed over the prepared sub-base, lock the Court panels together and gap the panels accordingly. When using the court blend, an 1/8" gap between panels when temperatures are below 120 degrees is adequate. A 1/16" gap when panels over 120 degrees will suffice. Always leave a minimum ½" between solid fixed boarders or posts. (Image 3)

4 The panels can be either pulled in place or pushed in place.

5 Finished edges and ramps can be installed by pulling or pushing into place.

6 If panels need to be cut or trimmed, use a jig saw, circular saw or table saw to easily make the cuts. Drop offs from the cuts may be able to be reused in other locations and cut again. Finished edges and ramps are designed to interlock with the full uncut panels. (Image 4)

Image 3

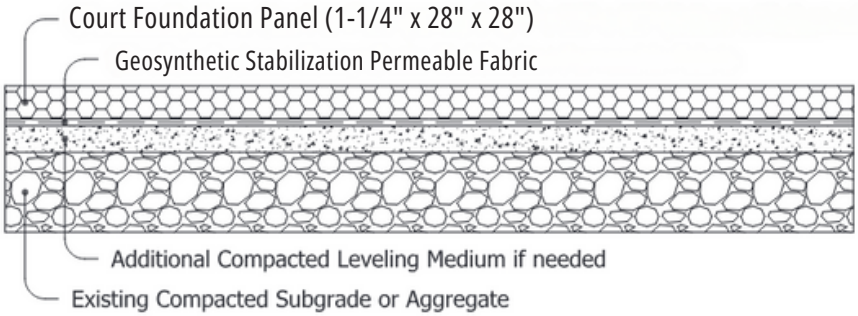


Image 4

Ball Bounce Installation Over Existing Soils

In the case where ball bounce is important such as basketball, pickle ball or tennis, use the following technique Pickle ball and tennis ball bounce are difficult to achieve. Results may vary based on ball types and base preparation, and it is the responsibility of the installer or homeowner to understand and have realistic ball bounce expectations regarding bounce consistency.

1 Determine if the ground is stable or unstable and drains properly. Prepare the sub-base as described above. (Image 1)

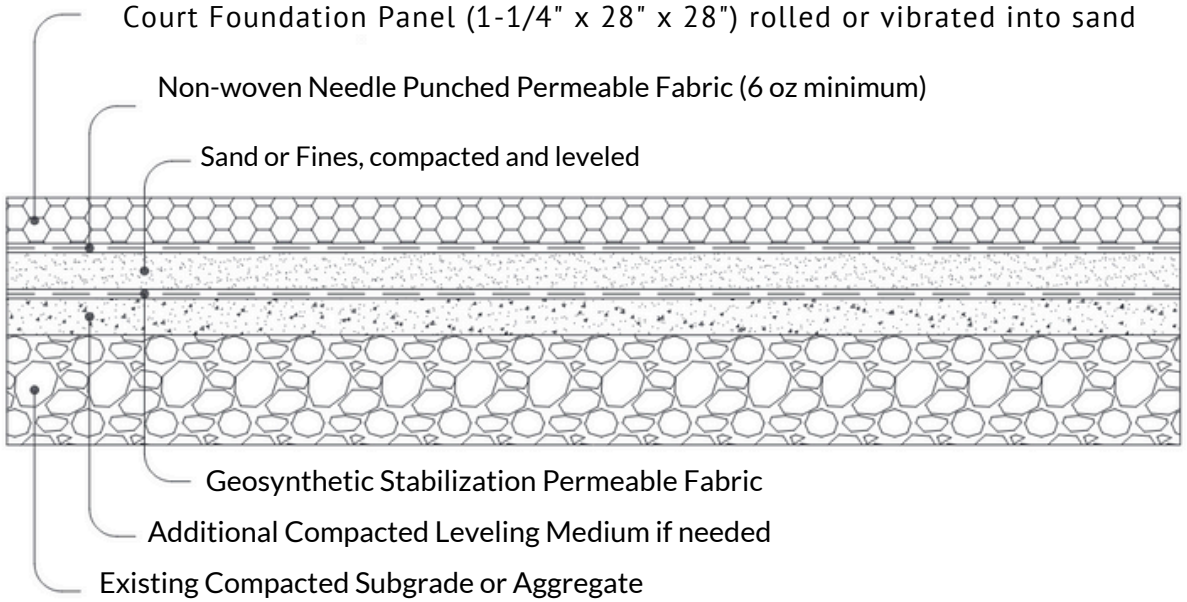
2 Once the sub-base is properly prepared, graded and smooth, carefully install a layer of geosynthetic stabilization fabric over the base. If your sub-base is compacted soils, this layer of stabilization fabric may not be required. When utilizing stone, this layer of fabric is vital to prevent washout. (Image 2)

3 Deposit ¾" to 1" of stone dust or another compactable fines material over the fabric. Compact the area. Screed the area perfectly flat using PVC pipes as a guide. This technique is used by paver installers and can be found on line. This will be your finished grade so make it perfect. (Image 3)

4 Carefully install a layer of non-woven needle punch fabric over the graded stone dust being careful not to walk on the prepared base. You may need to install the fabric in sections as you proceed with installing the panels. (Image 4)

5 Once the needle punch fabric is down, carefully install the court panels. Use a large sheet of cardboard or some other type of stiff, thin material as a slip sheet under the panels to make panel installation easier. Needle punch fabric tends to grab the panels and the slip sheet makes it easier to slide and lock the panels together. Stay on the panels and do not walk on the sub-base. Make sure adequate number of panels are being laid out behind you so they can acclimate prior to snapping them together. Gap the panels as described above. Remove the slip sheet and slide it down to the next section of panels to be installed. We are just using this temporary slip sheet as a way to keep the panels sliding in easily over the needle punch fabric. It does NOT remain in place. (Image 5)

6 Once all the panels are installed and properly gapped, use a heavy water roller, a vibratory roller or a plate compactor to slightly vibrate the panels in to the needle punch fabric and stone dust envelope you created. This will allow all the panel ribs to come in contact with the base promoting more consistent ball bounce and sound. Use the slip sheet or a piece of fabric on top of the panels before vibrating in place to prevent scratching or marring the court panels. (Image 6)



Non-Ball Bounce Installation on Hard Surface

When installing over an existing hard-court surface such as concrete or asphalt, use the following technique for non-vital ball bounce application.

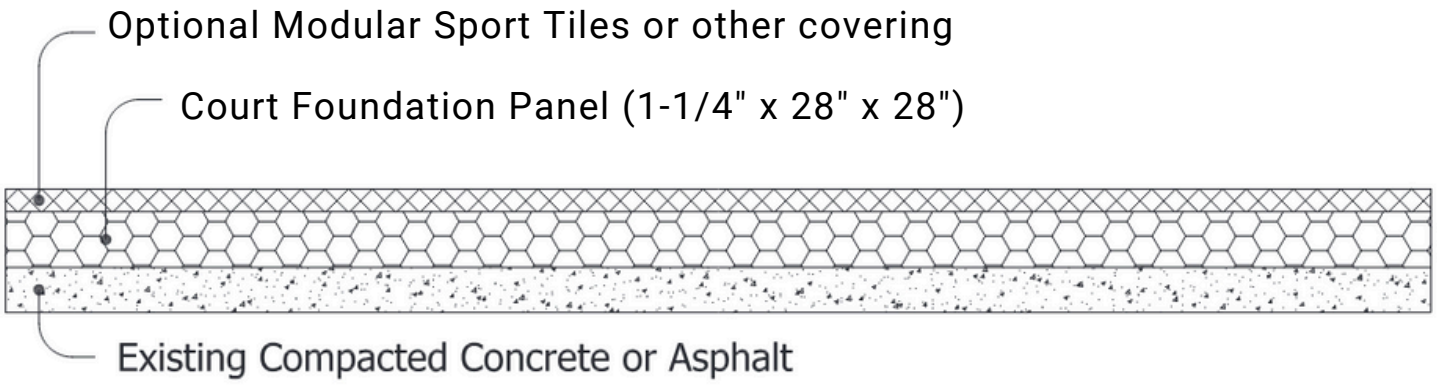
1. Prior to installation, inspect the court or surface to be covered being certain to grind down and high spots and remove all debris. The court panels will span any cracks or small gaps (up to 2”) in the existing base. Gaps larger than 2” should be filled prior to installation.

2. If you are planning to paint lines and do not want paint to transfer to the existing court below, use a light weight geo fabric under the panels to protect the existing hard surface. This will only occur when spraying the lines which is currently our preferred method

3. Lay out several rows of panels and allow then to acclimate. Lock and gap the panels as described above. Continue this process throughout the entire installation.

4. Finished edges and ramps can be installed by pushing or pulling into place.

5. If panels need to be cut or trimmed, use a jig saw, circular saw or table saw to easily make the cuts. Drop offs from the cuts may be able to be reused in other locations and cut again. Finished edges and ramps are designed to interlock with the full uncut panels.



Ball Bounce Installation on Hard Surface

The court panel is used when ball bounce is vital due to the flexible nature of the product which allows the panel to conform to the existing hard surface promoting consistent ball bounce. When installing over existing hard-court surfaces such as concrete or asphalt and ball bounce is vital use the following techniques.

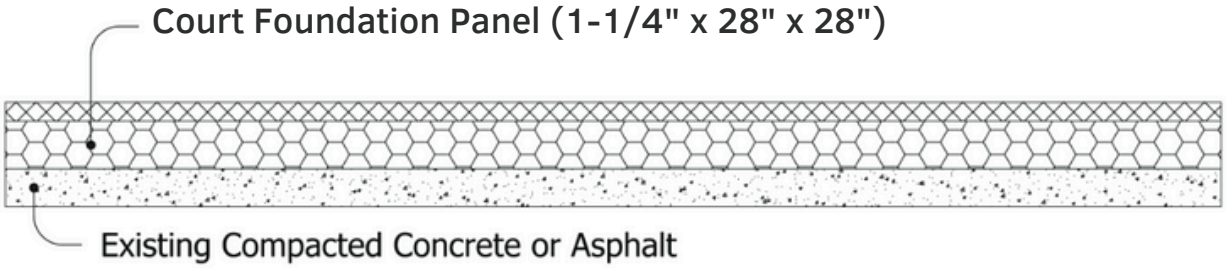
1 Prior to installation, inspect the court or surface to be covered being certain to grind down and high spots and remove all debris. The court panels will span any cracks or small gaps (up to 2”) in the existing base. Gaps larger than 2” should be filled prior to installation.

2 If you are planning to paint lines and do not want paint to transfer to the existing court below, use a light weight geo fabric under the panels to protect the existing hard surface. This will only occur when spraying the lines which is currently our preferred method.

3 Lay out several rows of court panels and allow then to acclimate. Lock and gap the panels as described above. Continue this process throughout the entire installation. Install the panels. The Flex blend expands more than our standard court blend so leave a larger gap between panels: 3/16” when cold 1/8” when over 120 degrees.

4 Finished edges and ramps can be installed by pushing or pulling into place.

5 If panels need to be cut or trimmed, use a jig saw, circular saw or table saw to easily make the cuts. Drop offs from the cuts may be able to be reused in other locations and cut again. Finished edges and ramps are designed to interlock with the full uncut panels.



Court Foundation Panel on Concrete or Asphalt
(Installation Under Commercial Modular Sport Tiles)

Installing our Court Foundation panel under commercially available sport tiles is a permeable concrete alternative.

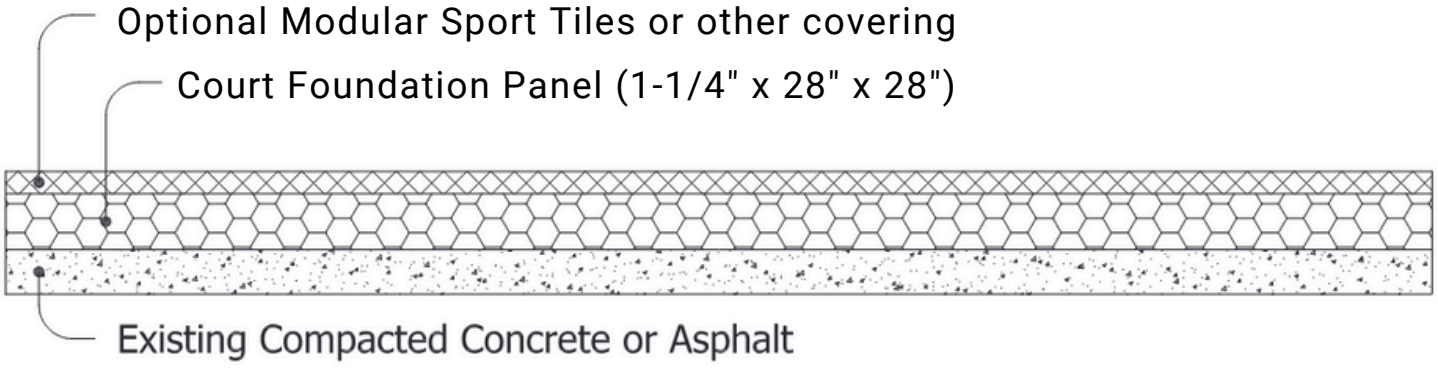
1 Prior to installation, inspect the court or surface to be covered being certain to grind down and high spots and remove all debris. The court panels will span any cracks or small gaps (up to 2") in the existing base. Gaps larger than 2" should be filled prior to installation.

2 If you are planning to paint lines and do not want paint to transfer to the existing court below, use a light weight geo fabric under the panels to protect the existing hard surface. This will only occur when spraying the lines which is currently our preferred method.

3 Lay out several rows of foundation panels and allow then to acclimate. Lock and gap the panels as described above. Continue this process throughout the entire installation. Install the panels. The Flex blend expands more than our standard court blend so leave a larger gap between panels: 3/16" when cold 1/8" when over 120 degrees.

4 Finished edges and ramps can be installed by pushing or pulling into place.

5 If panels need to be cut or trimmed, use a jig saw, circular saw or table saw to easily make the cuts. Drop offs from the cuts may be able to be reused in other locations and cut again. Finished edges and ramps are designed to interlock with the full uncut panels.



Court Foundation Panel Over Existing Soils
(Installation Under Commercial Modular Sport Tiles)

Installing our Court Foundation panel under commercially available sport tiles is a permeable concrete alternative.

1 Prior to installation, inspect the court or surface to be covered being certain to grind down and high spots and remove all debris. The court panels will span any cracks or small gaps (up to 2") in the existing base. Gaps larger than 2" should be filled prior to installation.

2 If you are planning to paint lines and do not want paint to transfer to the existing court below, use a light weight geo fabric under the panels to protect the existing hard surface. This will only occur when spraying the lines which is currently our preferred method.

3 Lay out several rows of court panels and allow then to acclimate. Lock and gap the panels as described above. Continue this process throughout the entire installation. Install the panels. The Flex blend expands more than our standard court blend so leave a larger gap between panels: 3/16" when cold 1/8" when over 120 degrees.

4 Finished edges and ramps can be installed by pushing or pulling into place.

5 If panels need to be cut or trimmed, use a jig saw, circular saw or table saw to easily make the cuts. Drop offs from the cuts may be able to be reused in other locations and cut again. Finished edges and ramps are designed to interlock with the full uncut panels.