



S P O R T
C O U R T

SportBase Installation Guide

Site Prep

SportBase may be installed above or below grade depending on the scope of the project and intended application.

Below Grade

1. Excavation

Remove existing pavement, turf, or existing soil to the proper depth. The proper depth will be the finished surface, less the modular flooring thickness, SportBase thickness, and compacted base material. The amount of base material is often determined by a local soil engineer and will depend on the ground's water retention, saturation, and expansion properties. Typical base thickness will range from 4 inches to 8 inches.

2. Compact Subgrade

After excavation is down to the proper level, compact the subgrade. Depending on the type of soil, compaction may be done with a roller, rammer, or a vibraplate compactor.

3. Install Forms

Select forms tall enough to accommodate the depth of the compacted base. Secure the forms around the perimeter of the court area using stakes to hold the forms upright. Make sure frames are square at each corner.

4. Install Base Material

Select a base material that is granular and compacts easily. Suggested bases include sand, 5/8" minus gravel, crusher fines, etc. Spread and compact the base in 4 inch lifts using a compactor. Screed the compacted base to level off the surface. For best results, use a powered roller-screed. Compact the surface a final time making sure the base material is level by filling in low spots and removing high spots.

5. Install Geotextile Fabric

Roll out geotextile fabric across entire subsurface, overlapping each roll to ensure no gaps exist. Make sure geotextile fabric is smooth and contains no wrinkles. If fabric stakes are used, be sure to press them flush with the compacted base surface.

Above Grade

1. Excavation

Remove existing pavement, turf, or existing soil. The amount of base material is often determined by a local soil engineer and will depend on the ground's water retention, saturation, and expansion properties. Typical base thickness will range from 4 inches to 8 inches.

2. Install Forms

Select forms tall enough to accommodate the depth of the compacted base. Secure the forms above the ground around the perimeter of the court area using stakes to stabilize the forms. The forms must be sturdy enough to contain several inches of fill material and avoid blowout during compaction. Make sure forms are square at each corner.

Install Base Material

Select a base material that is granular and compacts easily. Suggested bases include sand, 5/8" minus gravel, crusher fines, etc. Spread and compact the base in 4 inch lifts using a compactor. Screed the compacted base to level off the surface. For best results, use a roller-screed. Compact the surface a final time making sure the base material is level by filling in low spots and removing high spots.

3. Install Geotextile Fabric

Roll out geotextile fabric across entire subsurface, overlapping each roll to ensure no gaps exist. Make sure geotextile fabric is smooth and contains no wrinkles.

Installing SportBase

1. Begin installing SportBase tiles at any corner of the court. Align the SportBase corner flush with the corner of the subsurface.
2. Install one row of SportBase tiles along the width of the court, aligning the edge of the tiles with the subsurface edge. Install tiles by inter-locking the puzzle piece connections with the previous tile. SportBase tiles may overhang the edge of subsurface opposite from the starting location.
3. Install one column of SportBase tiles along the length of the court, aligning the edge of the tiles with the subsurface edge. Leave a gap of 3/8" – 1/2" between the tile edges and the inside edge of the compacted base form. SportBase tiles may overhang the edge of the subsurface opposite from the starting location.

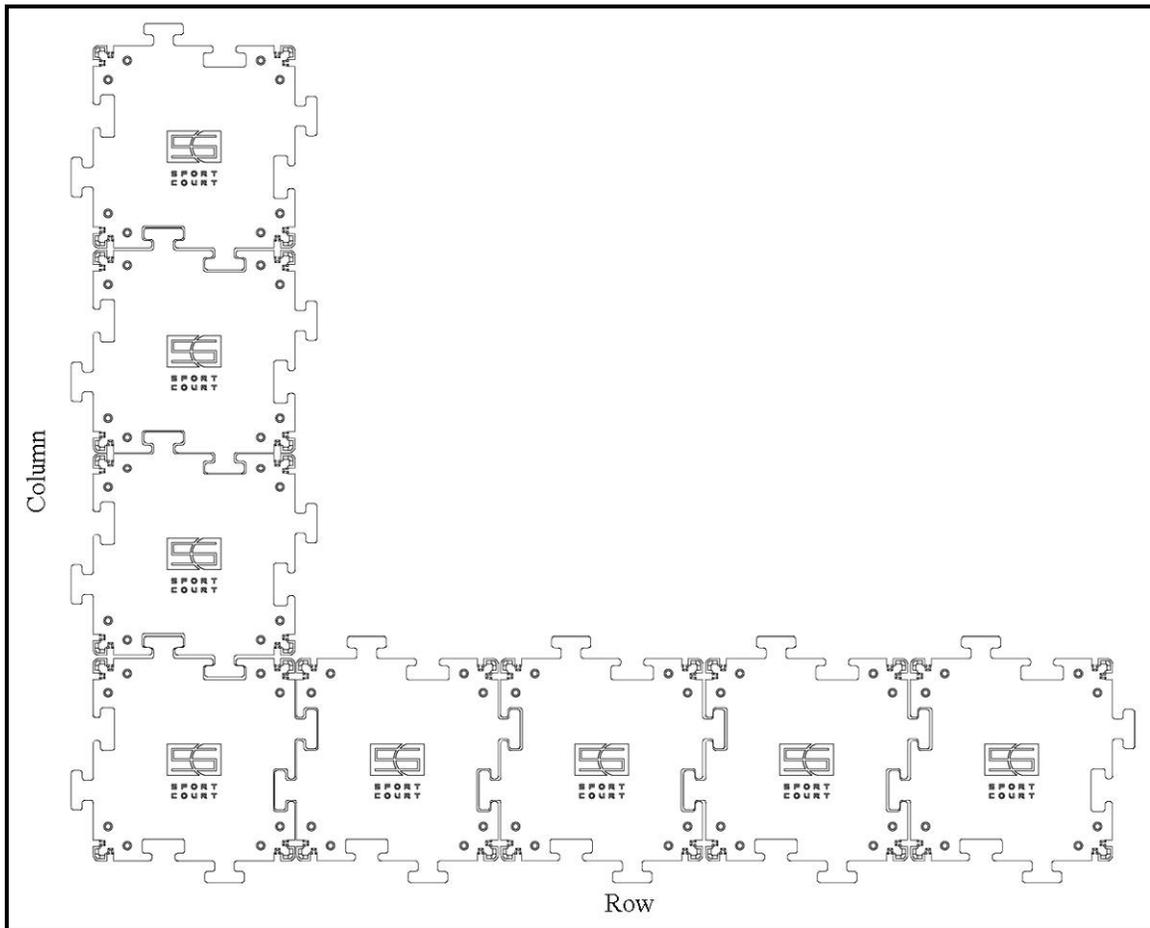


Figure 1

4. Once a row and column of tiles has been installed, the rest of the SportBase grid can be filled in. Install the next row of SportBase tiles along the width of the court by inter-locking the puzzle piece features and setting the tile straight down.

5. As you proceed, install the corner locks at each intersection where four SportBase tiles come together. It is critical to install the corner locks before the next row of SportBase is laid down in order to allow for the correct spacing between each tile.

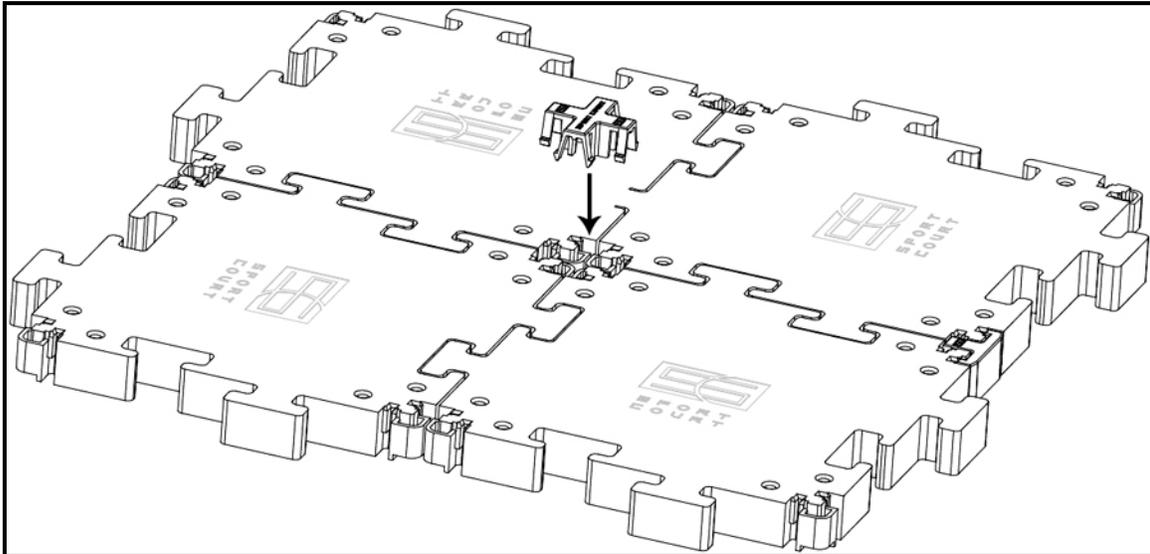


Figure 2

6. Continue installing the SportBase tiles and corner locks until the entire subsurface is covered.
7. Any tiles overhanging the compacted subsurface must be trimmed $3/8''$ - $1/2''$ from the edge of the compacted base forms. Snap a chalk-line along the length and width of the court to indicate where to trim.
8. Use a circular saw, or other suitable cutting device, to trim the SportBase tiles.

- (Optional) The male end puzzle piece may be trimmed off the SportBase tile and inserted into the female puzzle piece to fill in the holes along the edge of the SportBase surface.

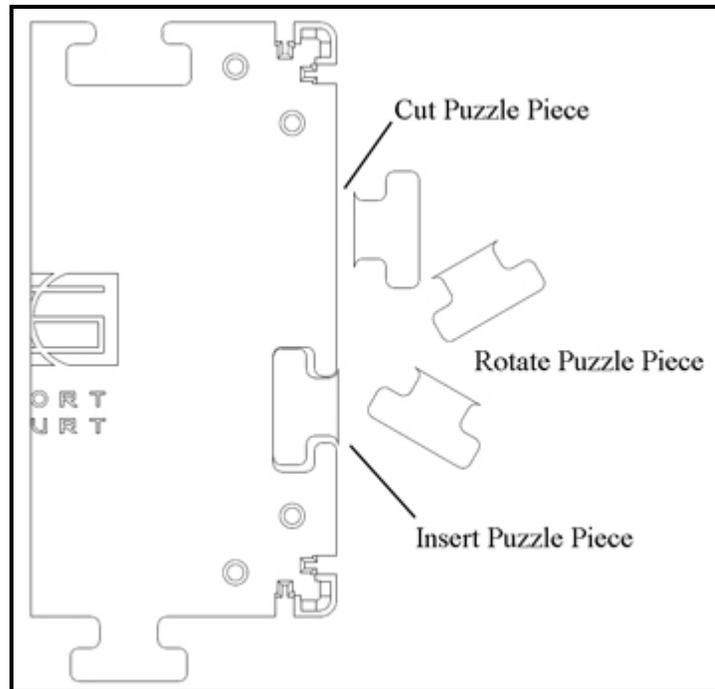


Figure 3

- Once trimming is complete, install the edge locks to secure the perimeter SportBase tiles. Note: tiles trimmed beyond the locking feature will not be compatible with the edge lock pieces.

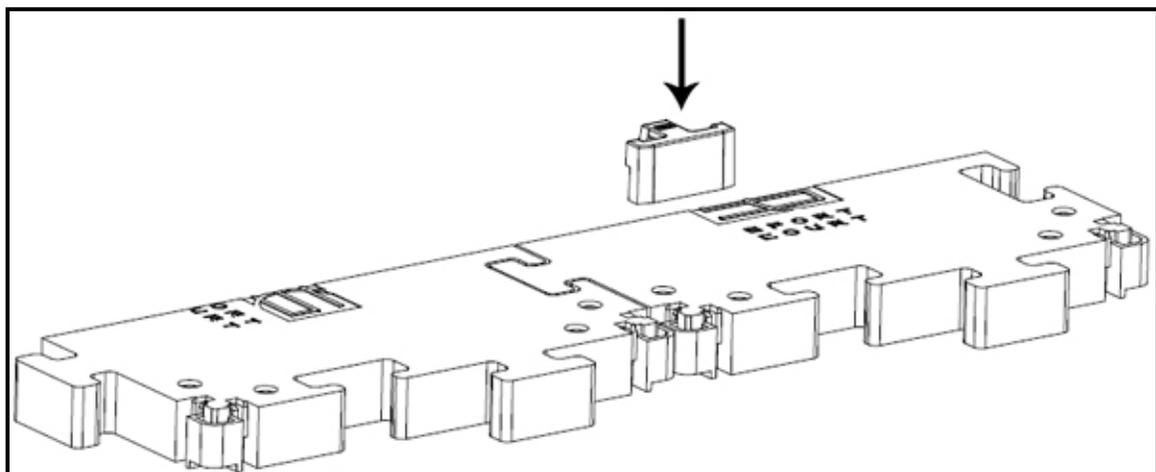


Figure 4

11. Once SportBase tiles are installed over the compacted subsurface, use a vibrating plate compactor to seat the SportBase tiles. Any high or low spots will require removal of SportBase tile followed by leveling the surface.
12. Install Sport Court modular flooring products following pre-designed layout and color scheme.

Disassembly

If any repairs need to be made to the compacted subsurface or if a SportBase tile is damaged and requires replacement, individual tiles can be removed without disturbing the adjacent tiles installed. It may be necessary to remove Sport Court modular products in the area that needs replacement or repair.

1. Using the corner lock removal tool (part #); align the forks with the slots in the SportBase tiles.
2. Firmly press the lock removal tool straight down to disconnect the corner lock piece from the SportBase tiles.
3. Lift lock removal tool and corner connector piece from the floor.

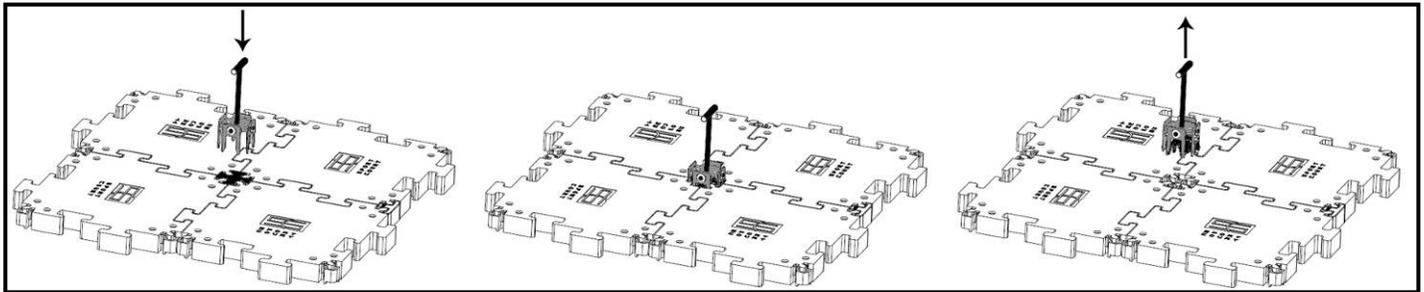


Figure 5

4. Remove the corner lock piece from the lock removal tool.
5. Repeat the previous steps on the corresponding corners to the SportBase tile that needs to be removed.
6. Remove any SportBase tiles in areas that need repair or replacement.
7. Make any repairs to compacted subsurface.
8. Install SportBase tile and corner lock pieces.
9. Install Sport Court modular products over SportBase tiles.

Setting Anchors for Components

If the court requires installation of components (hoops, lights, etc.) be aware that the concrete footings need to accommodate the additional 2" height of the SportBase product. Install forms around the hole for the anchor to raise the height of the concrete footing to be flush with the top of the SportBase surface. This will ensure that the net hole heights on hoop and light systems will be located at their appropriate heights.