

FLEXCOURT® BASE INSTALLATION

Base Installation Instructions

STEP 1: MARK COURT LAYOUT

CAUTION:

Check for power lines or other obstacles like sprinkler lines or septic tanks BEFORE you dig.

STEP 2: REMOVE SOD & DIRT

Using a sod stripper or tiller, remove at least 8" sod and dirt.

Go at least 18" beyond the planned court layout to allow for tapering after base is completed.

RECOMMENDED: Save enough sod for the 18" area after backfill is completed unless you plan for landscaping beds.

STEP 3: COMPACT GROUND

Using either plate compactor or roller, compact the entire surface.

Base material installed on an unstable sub-base may develop soft wet spots or potholes, or break up and begin mixing with the cushion layer.

STEP 4: SET FORMS

RECOMMENDED:

Use a laser transit for best height result.

Use 2" x 6" treated lumber or aluminum forms.

DRAINAGE, DRAINAGE, DRAINAGE.

Set forms at minimum 1/2" per 10' slope (1" per 10' is typical). ALWAYS slope away from house.

Make sure ground is dry. Compact the ground again.

STEP 5: ADD GEOTEXTILE

Use material type Mirafi 570 or equivalent.

Stake down geotextile every 4'-6' using 8" sod stakes or equivalent.

STEP 6: CREATE BASE

1. Add 3"-4" crushed stone for an initial base.

Use minus 1.5" crusher run. The material for your base is called screenings. Use limestone or bluestone (granite) as a second choice for best foundation. Both contain a substantial amount of calcium; when the stone dust is watered and compacted, calcium causes individual stone particles to adhere into a solid layer.

STEP 6: CREATE BASE (*continued*)

RECOMMENDED:

A 5"-6" layer for courts over 4,000 square feet and allow to settle to 3"-4" base after primary compaction and watering has been applied.

2. Add geogrid material
3. Use Mirafi Basexgrid 11 or equivalent.
4. Use sod stakes if necessary to hold down geogrid.
5. Add another 2"-3" layer of finer stone dust screenings.
6. Use minus 1" crusher run.
7. Compact and water down.
8. Add another 1"-2" layer of fine stone dust screenings
 - Use minus 1/4" crusher run.
 - Fill to the top of the forms.
9. Water down and compact.

STEP 7: BASE CURING

Once the base is down, it must set up properly (cure and harden) This may take up to a few days, and in wet weather, up to a few weeks. That's where the patience comes in.

OPTIONAL: POLYLINER

Add a PolyLiner for added support against FlexCourt Tile sinking into base.

Use a 1mm-2mm, High Density #45 PolyLiner, or if slope of stone dust base is less than recommended, use a 1mm perforation VCP Screen for proper drainage, 50/50 Polypropylene/Vinyl, 90 Mesh supplied by FlexCourt International.

Use landscape or railroad tiles around court to fasten the PolyLiner.

STEP 8: FINISHING

1. Backfill around forms.
2. Install Flexcourt tile surface.

(See following diagram for additional assistance)

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