

GUIDE SPECIFICATIONS FOR CONSTRUCTION OF A PERVIOUS SUB BASE FOR MATEFLEX SURFACE

1. GENERAL REQUIREMENTS

- a. Scope of Work to be Done. The contract work to be performed under these specifications consists of furnishing all of the required labor, materials, equipment, implements, parts and supplies necessary for pervious surface preparation for Mateflex modules.
- b. Insurance. The Contractor shall provide reasonable and adequate casualty insurance, including employer's liability and public liability insurance and include the cost thereof in the contract sum.
- c. Guarantee. The Contractor and any subcontractors hereunder guarantee their respective work against defective materials and workmanship.

2. SITE INSPECTION AND PREPARATION

- a. Inspection and Selection. The site shall have been inspected by the owner and determined by him to be suitable for construction of the surface. Inspection shall include examination of the soil by a soil engineer to establish its suitability as a foundation for the court.
- b. Clearing and Grubbing. Trees and other vegetation including their root systems to a depth of not less than twelve inches (12") shall be removed from the site and the soil treated with a sterilizer that will effectively inhibit future growth of flora.
- c. Excavation. The site shall be excavated to a depth so as to provide finished surface level as required.
- d. Fillings. Soil conditions must be stable and have suitable bearing properties, not wet or spongy. Fill material shall be placed in layers not exceeding six inches (6") each in thickness and compacted to 95 percent standard density at optimum moisture.

3. DRAINAGE PROVISIONS

- a. All drains must be interconnected and empty into drain provided by owner.
- b. Interceptor Drainage System. A peripheral drainage system shall be installed as may be necessary so as to intercept and drain either surface or subsurface water that would otherwise drain over or under the court.

Guide Specifications (Cont'd)

4. BASE CONSTRUCTION

- a. Cushion. Cushion material under leveling course shall consist of a clean 5" layer of granular A (5/8" road gravel) place-compacted to 100% Standard Proctor Density.

5. LEVELING COURSE AND SURFACE COURSE

- a. A layer of stone screenings in accordance with local requirements should be constructed over the base course with a compacted thickness of not less than two inches (2"). After compaction, the surface should not vary more than one-eighth inch (1/8") in ten feet (10') when measured in any direction.

6. SLOPE REQUIREMENTS

- a. Slope Requirements. All excavating, filling, compacting, grading and leveling work required hereunder shall be performed so that the finished court surface slopes one inch (1") in each ten feet (10') on a true plane from side to side toward the drain. (6" drop on 60' of court width.)
- b. Extreme care must be taken to insure a dead level finish in the surface with no pockets to trap and hold water.
- c. Curb. It is advisable to install a concrete curb or substantial landscape timbers around the perimeter of the court. This provides for a place to secure the Mateflex as well as to help contain the base.

NOTES: Covering the top stone layer with a geotextile fabric prior to installing Mateflex can help prevent weed growth as well as erosion of the subsurface.

The above are general recommendations regarding how to build a pervious base to install Mateflex over. Mateflex recommends using a solid base like asphalt or concrete for the best results. A pervious base will require regular maintenance for consistent game play. Mateflex recommends consulting local building requirements and standards for a base that will perform in a given climate.