FIBER REINFORCED TURF SYSTEMS
with TURFGRIDS® fibers

TURF TRACKS  FIRELANES  GOLF COURSES
TURF PARKING  SPORTS TURF

FIBER SOILS

Drainage  Aesthetics
Stability  Divot Resistance  Durability

© TurfGrids is a registered trademark of Fiber Reinforced Soils, L.L.C.
After all is said — you want a great looking turf surface with the strength down deep to get the job done.

FIBERSOILS' Fiber Reinforced Turf Systems cost effectively meet your sites specific design requirements while providing the ongoing benefits of our Site Optimized Fibers Systems. The unique demands of each turf project can only be addressed by a system that offers the designer a flexible and internationally proven methodology.

The three main categories of our root stabilization systems are: Full Sand Base, SandCap and Turf Paving. Our systems can be tailored to meet your specifications for optimal root zone stabilization.

FIBERSOILS has provided successful turf stabilization for a wide range of applications. Our products and systems are in use on public, educational and professional sports fields, as well as expansive municipal and corporate turf parking and event staging lawns. We offer dependable turf surfaces for fire and emergency lanes, and are well known for our injury reducing equestrian turf track systems.

The fiber reinforced turf satisfies design requirements for bearing capacity and shear strength. Although reinforced, these systems do not interfere with the standard maintenance operations required to maintain healthy turf.

After all is said — you want a great looking turf surface with the strength down deep to get the job done.

Installation of SandCap turf parking & event staging area Louisville Waterfront Park.

Fiber and Soil Can Be Uniformly Mixed with Existing Earthwork and Maintenance Equipment.

Turfgrids® increase CBR values that are used to measure load bearing strength.
Full Sand Base System

Sand Base Systems are used to produce an all-weather natural turf surface that is free draining and playable shortly after substantial rainfall. Site Optimized Fibers are blended with peat and sand to create a reinforced root zone mixture supported by a ten to twelve inch sand profile.

SandCap System

The SandCap System is a fiber reinforced root zone mixture of five to six inches capped over an existing native soil surface. This retrofit affordably enhances an existing field.

Turf Paving & Firelane System

Turf Parking and Firelane applications engineered with proper sub-base preparation can dramatically increase the ability of the root zone to support heavy wheel loads and high traffic volume.

For application notes and technical releases, please visit our web site: www.fibersoils.com

System Performance is Ensured Through Extensive Laboratory Testing
Turfgrids® are engineered to meet the unique requirements of your project.

FIBERSOILS’ Turf Reinforcement Systems utilize Turfgrids® fibers, engineered and manufactured for root-zone and soil stabilization. They are manufactured from polypropylene and are safe and non-toxic to plants, animals, and humans. The fibers are incorporated into the soil profile at a depth of 4 to 6 inches where they act as a mass of indestructible roots. These roots intertwine and interlock with the fibers resulting in reinforced turf that is extremely strong and that resists divoting and rutting.

As part of the reinforced system, Turfgrids® help provide a consistent athletic surface that can be worked and maintained with conventional equipment. They are designed specifically for easy spreading, mixing and fine grading. Fiber reinforcement can be used for complete field stabilization or in selected high wear areas.

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>REQUIREMENTS</th>
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</thead>
<tbody>
<tr>
<td>Polypropylene</td>
<td>ASTM D4101</td>
<td>99% Minimum</td>
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<tr>
<td>Group 1/Class 1/Grade 2</td>
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</tr>
<tr>
<td>Moisture Absorption</td>
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<tr>
<td>Fiber Length</td>
<td>Measured</td>
<td>1/2 to 2 inch, minimum</td>
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<tr>
<td>Fiber Diameter</td>
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<td>Green, Manila, Black</td>
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<tr>
<td>Specific Gravity</td>
<td>ASTM D792</td>
<td>0.91 g/cm³</td>
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<tr>
<td>Tensile Strength</td>
<td>ASTM D2256</td>
<td>40,000 psi, minimum</td>
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<tr>
<td>Tensile Elongation</td>
<td>ASTM 2256</td>
<td>20% maximum</td>
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<tr>
<td>Young’s Modulus</td>
<td>ASTM D2101</td>
<td>600,000 psi, minimum</td>
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FIBERSOILS

P.O. Box 80198
Baton Rouge, LA 70898
www.fibersoils.com

866.FIBERS1
Fibers for Soil & Turf Reinforcement

225.757.9136 (O)
225.752.7975 (F)
866.342.3771

Please visit our web site:
www.fibersoils.com