Maintenance Guidelines
Introduction

FieldTurf manufactures and installs the highest performing artificial grass in the world. Although there is significantly less maintenance to be done on FieldTurf when compared to natural grass and competing products, there are some necessary procedures to be followed in order to ensure your field continues to perform at the highest level.

Following these basic maintenance procedures will ensure your field is kept in optimal condition and that your maintenance activities comply with FieldTurf’s third-party insured warranty.

Your FieldTurf surface is made up of specially manufactured synthetic grass, combined with a formulated infill mixture of specially graded silica sand and cryogenically ground rubber which is brushed into the spaces between the grass fibers. The grass fibers act jointly with the infill mix to form a very uniform, resilient, grass-like and long-lasting sports playing surface.

It is highly recommended to ensure that any and all maintenance personnel watch FieldTurf’s maintenance DVD that demonstrates procedures, equipment usage, general maintenance guidelines, cleaning products, and frequently asked questions.

In order to avoid potential consequences, please contact FieldTurf Customer Service to verify if the person(s) doing the maintenance or soliciting services is in fact approved to perform work on FieldTurf.
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Getting Started – The Essentials

Maintenance Guidelines Acceptance Form

Ensure that the Maintenance Guidelines are read and understood by the proper maintenance personnel and that the Maintenance Guidelines Acceptance Form is signed and sent back to FieldTurf within 30 days of completed installation.

Maintenance Log

Make sure all maintenance is done on a timely basis and use our maintenance log chart to keep an up to date reference of all work done on your field. This will help you keep a record of all maintenance procedures performed. It is necessary, in accordance with your FieldTurf warranty policy, to send in a copy of the completed maintenance log once a year.

Approved Activities

Your FieldTurf surface has been designed for the following approved and permitted activities, in addition to a wide range of non-sporting activities:

- Football
- Field Hockey
- Baseball/Softball
- Lacrosse
- Soccer
- Rugby
- Physical Education
- Pedestrian traffic

Athletics such as shot put, hammer throw, discus and even javelin (fitted with a rubber tip), can be occasionally performed on FieldTurf. Ideally, the landing area should be outside the playing area but if unavoidable the field should be covered with a special protective piece of turf or a tarp to prevent damage to the FieldTurf surface.

To insure optimum performance of your FieldTurf field we recommend that repetitive training drills and activities be rotated to prevent continuous wear at a single location.
Prohibitions

Your FieldTurf field should be kept free from food, gum, sunflower seeds, glass, cigarettes, fireworks, driving stakes and any sharp objects that will risk damage to the field and injury to players. Your field should also be kept free from debris, leaves, paper and windblown material. It is imperative that your FieldTurf field be a designated non-smoking area. Unauthorized maintenance equipment and personnel are prohibited.

FieldTurf supplies its clients with customized field signs (with your organization’s logo should you wish) to hang at the entrance of the field and around the perimeter in order to clearly demonstrate the major prohibitions on FieldTurf.

New Field Settling

Settling of the infill between the grass fibers normally takes several months. During this period the infill will settle to its ideal level (3/4” below the top of the fiber) and the field will stabilize into a uniform playing surface to perform according to our engineered design specifications.

No maintenance other than light sweeping should be done until the field has settled in.
Routine Maintenance

Removal of Weeds and Moss

FieldTurf’s superior artificial grass surfaces may look like grass, feel like grass and play like grass; however if not properly maintained, much like its natural grass cousin, it may still become susceptible to some of grass lovers natural foes: weeds and moss. It is important to prevent weeds and moss from growing on FieldTurf as it can affect the playability of the surface. Although routine maintenance will prevent this from happening, weeds and/or moss may occur at the interface between the synthetic grass and the perimeter curb. Should this occur, treat the area with a biodegradable weed killer such as Round Up®, which leaves no residue and more importantly, won’t negatively affect the fibers or the coloring of your field. If problems should arise, a 3-prong tool can be used to remove weeds and moss from the affected areas. This should be done carefully so as not to tear the backing and damage the fabric.

Moss could grow on the field surface if the following conditions are present:

i. The field surface has not been maintained or groomed over a long period of time.

ii. If there is an unusual amount of shade on the field and the field has been neglected.

iii. If the field surface has been left covered with vinyl tarps over a long period of time.

iv. If there is sufficient moisture and any/all other conditions for growth are met.

Removal of Stains

Oil Stains
FieldTurf Scrub (see section on ‘Cleaning Products’ for more information) safely removes oil and other stains from FieldTurf surfaces. The detergent acts quickly to clean and decontaminate the turf surface.

Bodily Fluids
FieldTurf Scrub is formulated to remove bodily fluids (blood, vomit, etc.) from synthetic turf surfaces.
Maintaining the Infill

Intensive and repetitive use of certain areas of the field may cause the infill material to be displaced from time to time. Properly maintaining the infill on your field is important and directly affects playability. Rubber infill will need to be added to these high use areas as needed. These specific areas on the field should be inspected regularly to ensure proper infill height.

These high usage areas include, but are not limited to:

- Penalty shot spots
- Center spots
- Corner kick areas
- Extra point kick areas
- Pitcher’s mound
- Basepaths
- Home plate

With FieldTurf, the uniformity of the infill can be easily maintained, by agitating the exposed fibers with a garden rake, and then brushing the infill into the fibers. The top of the infill should be at 3/4” below the tips of the fibers.

Routine grooming of the field will ensure that the infill is uniformly distributed over the entire field surface.

Uniformity of the infill can be easily maintained by replacing the displaced infill while following these easy steps:

⚠️ Note: Before proceeding with the infill replacement, make sure the grass and the infill are completely dry and free of debris.

Step 1: Using a medium stiff bristle brush and/or a garden rake with metal tines, agitate the exposed fibers in the area requiring infill. This will raise the exposed grass fibers into a vertical position.

Step 2: Brush the infill into the grass by lightly agitating the fibers again using a medium stiff, bristle brush.

Step 3: The top of the infill should be at a level of ¾” below the tips of the exposed grass fibers. Once the grass has been infilled to the recommended level, gently agitate the area to ensure that the infill settles below the exposed tips of the grass fibers. If the area is blackened, a small mist of water over the area will help drop the infill to the desired level.

Shoe Cleaning

Cleaning mud and dirt from cleated shoes with the use of FieldTurf brushes placed near the field will prevent soiling and staining of the field surface.

Cleaning brushes should not be placed directly on the FieldTurf surface.
There are 4 basic maintenance operations that all FieldTurf fields require according to our recommended maintenance schedule. We simply call it BARS – Brushing, Aerating, Raking and Sweeping.

**Maintenance Frequency**

- **Brushing** – every 6-8 weeks
- **Aerating** – Maximum of 3 times/year, ideally after every sport season, and right after snow clearing, if applicable (beginning in 2nd year)
- **Raking** – every 4-6 weeks
- **Sweeping** – As needed

Other necessary maintenance procedures should be done periodically and according to usage.

**Inspection of Line Markings and Seams**

In the unlikely event that line markings or seams come apart, it is important to notify FieldTurf Customer Service.
**Brushing**
Rejuvenates the matted fibers and levels the top portion of the infill.

**Aerating**
To avoid over settling of the infill, it is necessary to aerate your field with rotating tines that are designed to penetrate and loosen the infill.

**Raking**
To prevent fibers from matting down and ensure infill is loosened.

**Sweeping**
Ensuring debris does not get into the infill.

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**Inspection of line markings and seams** – As needed
**Infill topdressing** – As needed in high traffic areas

**Snow Removal** – As needed

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**Infill Topdressing**
For high traffic areas, adding rubber to the top layer of infill may be necessary. Refer to the ‘Maintaining the Infill’ section for more information.

**Snow Removal**
If you need to remove snow from your field, adhere to proper guidelines outlined in the ‘Snow Removal’ section.
Equipment

FieldTurf has a complete lineup of custom equipment engineered to facilitate all your maintenance requirements. All equipment or vehicles used on FieldTurf must be equipped with turf tires. Equipment must be stored indoors or outdoors with proper covering, such as a tarp.

The list of approved maintenance equipment includes the FieldTurf GroomRight, the FieldTurf SweepRight, the Hydraulic Sweeper, the RT Groomer, the Drag Brush, and the GroomAll. Each unit comes with a comprehensive operator’s manual that should be reviewed.

Please be aware that “off the shelf” maintenance equipment can damage your field. If you are unsure if your maintenance equipment is allowable or prohibited, please contact the FieldTurf Customer Service Department.

⚠️ Note: Sweeping of the field must be done right after any other maintenance procedure to prevent any foreign material from settling into the infill before usage.

FieldTurf GroomRight

The FieldTurf GroomRight is the turf industry’s most efficient piece of maintenance equipment. It consists of multiple brushes, rakes and rotating tines. Each of these components can be used individually or all together.

The aerating component features rotating tines located at the center of the unit, to loosen the infill without damage to the fibers.

The brushing and raking components are designed to level the infill while at the same time rejuvenating fibers.

- **Setting:** When setting the FieldTurf Groomright for use, the rotating tines should penetrate the infill by \( \frac{3}{4} \). The rakes should penetrate the infill by \( \frac{1}{2} \). The brushes should not penetrate the infill.

- **Frequency:**
  - Raking: 4-6 weeks
  - Brushing: 6-8 weeks
  - Aerating: Maximum of 3 times/year, ideally after every sport season, and after snow clearing, if applicable (beginning in 2nd year)

- **Recommended Vehicle:** Small garden tractor, gator or larger vehicle

- **Speed:** 3 mph – always make wide turns

Brushing  | Aerating  | Raking

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Phone: 800-724-2969
Email: customerservice@fieldturf.com  |  www.fieldturf.com/maintenance
**FieldTurf SweepRight**

The FieldTurf Sweepright is the most economical and efficient machine for sweeping. Debris should always be removed as soon as possible. With a dual-speed, dual-brush pickup system, Sweepright is the ultimate turf sweeper. It contains a unique ratcheting device that allows the outside wheel to drive the brushes during a turn so you never lose sweeper efficiency. The system also features a mesh plate to facilitate debris pick-up.

**Setting:** When setting the Sweepright for use, make sure that the brushes never penetrate the infill. Proper removal of debris will only require the brushes to penetrate the top of the fibers.

- **Frequency:** As needed
- **Recommended Vehicle:** Small garden tractor, gator or larger vehicle
- **Speed:** 3 mph – always make wide turns

A gang hitch is available to connect three sweepers in a triangular configuration.

For owners of FieldTurf’s AgriFab model, the same procedures apply.

**Hydraulic Sweeper**

FieldTurf also offers a dedicated Hydraulic Sweeper which features a mesh hopper designed to allow the infill to be redistributed back into the field.

**Setting:** When setting the Hydraulic Sweeper for use, make sure that the brushes never penetrate the infill, just the top of the fibers.

- **Frequency:** As needed
- **Recommended vehicle:** Tractor, gator or larger vehicle, 18 HP minimum & must have an on-board hydraulic system with a capacity of 5 to 7 gallons of oil per minute.
- **Speed:** 3 mph – always make wide turns.
FieldTurf
RT Groomer

The FieldTurf RT Groomer, available in 4 and 7 foot models, will groom the field using two components individually or in tandem. One consists of a reel equipped with rotating tines designed to penetrate and loosen the infill. The other is comprised of rakes designed to groom the exposed grass fibers.

Setting: When setting the RT Groomer for use, the rotating tines should penetrate the infill by ¾”. The rakes should penetrate the infill by ½”.

- Frequency:
  - Raking: 4-6 weeks
  - Aerating: Maximum of 3 times/year, ideally after every sport season, and right after snow clearing, if applicable (beginning in 2nd year)

- Recommended Vehicle: Small garden tractor, gator or larger vehicle
- Speed: 3 mph – always make wide turns

FieldTurf Drag Brush

The Drag Brush is available in 7-foot and 15-foot models. It rejuvenates fibers and levels the top portion of the infill.

Setting: When setting the Drag Brush for use, the brushes should not penetrate the infill. The rakes should penetrate the infill by ½”.

- Frequency:
  - Raking: 4-6 weeks
  - Brushing: 6-8 weeks

- Recommended Vehicle: Small garden tractor, gator or larger vehicle
- Speed: 3 mph – always make wide turns
FieldTurf GroomAll

The GroomAll is an all-in one unit that provides all the services of the Hydraulic Sweeper, the RT Groomer and the Drag Brush. This single unit handles all grooming requirements, including sweeping, brushing, raking, and aerating - with infill loosening and infill leveling.

Setting: When setting the FieldTurf GroomAll for use, the rotating tines should penetrate the infill by ¾”. The rakes should penetrate the infill by ½”. The brushes should not penetrate the infill. When setting the sweeper brushes, make sure they never penetrate the infill, just the top of the fibers.

- Frequency:
  - Sweeping: As needed
  - Raking: 4-6 weeks
  - Brushing: 6-8 weeks
  - Aerating: Maximum of 3 times/year, ideally after every sport season, and right after snow clearing, if applicable (beginning in 2nd year)

- Recommended vehicle: Tractor, gator or larger vehicle, 18 HP minimum & must have an on-board hydraulic system with a capacity of 5 to 7 gallons of oil per minute.

- Speed: 3 mph – always make wide turns

Note: To place an order for the FieldTurf Groomright and/or the FieldTurf Sweepright, please visit www.fieldturf.com/maintenance to send in your request. Upon receipt of your information, one of FieldTurf’s trained specialists will contact you to confirm ordering and shipping details.
Direction of Operation

This diagram indicates the ideal method of operation for all FieldTurf machines and BARS procedures. Starting on the sidelines at the edge of the center of the field, cross the field from one side to the other in a straight line. Then go down the sidelines 25 yards and cross the field again to the other side. Next, go up the field 20 yards and cross the field again. Repeat this procedure from the center to both ends of the field until the grooming is complete.

![Diagram of Direction of Operation for FieldTurf](image)

Key Facts About FieldTurf Maintenance Equipment

- Improper use can damage your equipment and your field. Please take note of the following key facts:
  - Make sure all equipment is clean before entering the field
  - Do not operate any equipment until it is on the field
  - Do not operate any equipment while in a stationery position
  - Always turn off equipment just before stopping
  - When sweeping, check your collector basket immediately after starting and do so often
  - Collecting too much rubber while sweeping will indicate improper settings
  - Pay special attention to high traffic areas, where the fibers and infill levels may be different from other parts of the field, and adjust your settings accordingly. As with any equipment, always read the manual before operating.
FieldTurf Scrub

FieldTurf Scrub is a powerful industrial cleaner and conditioner, which can be used for removal of grease and oil, mold and mildew, and can be used as a deodorizer. It is chemically formulated to be compatible with other FieldTurf treatment products, such as liquid static conditioners.

**Standard size bottle: 1 liter**

**How to use:**

Dilute FieldTurf Scrub in warm or cold water and apply by mop, sponge or soft cloth for spot cleaning and with industrial sprayer for entire field application.

Agitate heavily soiled areas, if required. Allow the product to work for a few minutes then rinse off with a high pressure water spray.

Cleaning performance is enhanced through the use of hot water and mechanical agitation.

Suggested application rate of 1:40 (1 liter of FieldTurf Scrub: 40 liters of water) will require 4 liters of FieldTurf Scrub (1 US Gallon) to cover 10,000 sq. ft.

- Heavy dirt, grease and oil – 1:4
- Light dirt, grease and oil – 1:8
- General purpose cleaning – 1:40 to 1:80

*Please consult the label on the FieldTurf Scrub bottle for important safety information and precautions.*
FieldTurf Static Conditioner

FieldTurf Static Conditioner is specifically formulated for the effective control of electrical static buildup on artificial grass surfaces. The product can be purchased in a liquid form and is safe for applications on FieldTurf surfaces without affecting the color and appearance of your FieldTurf field.

Standard size bottle: 1 liter

Concentrated FieldTurf Static Conditioner mist can be irritating to the throat and nasal passages, so it is recommended that a simple dust/mist filter mask be worn while applying the product.

How to use:

Apply (pure or diluted as required) to the surface to be treated by spray mist and allow to dry. The suggested application rate is 850 to 1000 sq. ft per gallon. Reapply as necessary to maintain desired level of protection. The contents of a standard 1 liter bottle of FieldTurf Static Conditioner will make 22 gallons of “ready to apply” liquid. Place the contents of the bottle in the tank, top the tank with cold water to make a total of 22 gallons and mix for 1 minute. The final product contains 50 grams (~ 2 oz) of FieldTurf Static Conditioner per gallon.

- 1 liter of FieldTurf Static Conditioner will make 22 Gallons and will cover approximately 20,000 sq. ft.
- To minimize aerosol generation, application pressure should be kept below 40 psi.

Please consult the label on the FieldTurf Static Conditioner bottle for important safety information and precautions.

FieldTurf Gum Remover

FieldTurf Gum Remover is an effective biodegradable solvent formulated for removing gum, tar, and adhesives from FieldTurf surfaces.

Standard size bottle: 1 liter

Always wear chemical resistant gloves when applying FieldTurf Gum Remover

How to use:

STEP 1: Using a 2.5 - 3 inch wide putty knife, isolate the gum with the attached turf fibers by placing the end of the knife in the fill beneath the affected turf. Force the gum onto the knife.

STEP 2: Saturate a small area of a clean white terry rag with FieldTurf Gum Remover and apply to the gum. Let the solvent penetrate for 1 to 2 minutes to soften the gum, leaving the rag in place. Do not pour FieldTurf Gum Remover directly on the gum as this may damage the infill.

STEP 3: Holding the knife firmly (being careful not to cut the fibers) gently rub the gum up the putty knife surface toward the handle. This will remove the gum from the turf. Starting with a clean area of the rag, repeat steps 2 and 3 until all the gum is removed.

STEP 4: Once all the gum is removed, remove the knife, wipe the area with a clean dry section of the rag.

Please consult the label on the FieldTurf Gum Remover bottle for important safety information and precautions.

Note: To place an order for FieldTurf Scrub, FieldTurf Static Conditioner, and/or FieldTurf Gum Remover, please visit www.fieldturf.com/maintenance to send in your request. Upon receipt of your information, one of FieldTurf's trained specialists will contact you to confirm ordering and shipping details.
**Painting**

**Painting on FieldTurf’s Fibers**

Before beginning to paint on your field, it is imperative that you contact FieldTurf’s Customer Service Department for guidance on specific types of paint to use, recommended suppliers, machines, and proper PSI machine settings.

It should be noted that paint build up over time will affect paint adhesion, aesthetics and possibly drainage, in those areas. It is recommended that paint removal be done approximately after every 5 applications before paint re-application is done. It will be equally important to verify the infill below the surface for paint contamination. This area should be flushed through if necessary. In severe cases, where the infill is totally covered in paint, the infill might have to be removed and replaced.

Below is a list of painting specifications

**Type of machine: Airless Sprayer**

<table>
<thead>
<tr>
<th>Spray Tip</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>415/417</td>
<td>For painting logos and large end zone areas with handheld wand</td>
</tr>
<tr>
<td>315/317</td>
<td>For painting 4” lines with airless sprayer lining equipment</td>
</tr>
</tbody>
</table>

PSI: 800-1000 psi for end zones, logos: tip must be handheld 18” above the surface.  
700 psi for 4” lines: tip must be held 4” above the surface.  
*It is important to note that the pressure should be adjusted accordingly so that only the fibers are being painted and NOT the infill. Spray angle should be between 45 and 60 degrees.*

**Angle to Spray:** 45 to 60 degrees

**Recommended Application Temperature:** above 50°F ambient (temperature should not fall below 50°F within 24 hours after the application).

**Number of Coats:** Apply in 2 directions to cover both sides of each blade. Fibers have to be dry before recoating (depending on the climatic conditions). End zones and/or logos may need more than 2 applications. Applying a white primer coat is recommended for logos only.

**Time to Dry:** Preferably overnight; otherwise 6 to 8 hours at 70°F and 50% humidity.

**Paint Coverage:** For two medium coats each way: approximately 200 square feet or 600-700 linear feet per gallon based on a 4” wide line.

**Remover Coverage:** Approximately 500 square feet per gallon or 1500 linear feet based on a 4” wide line.

<table>
<thead>
<tr>
<th>Life Expectancy</th>
<th>Open</th>
<th>Unopened</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint</td>
<td>Up to 6 months with lid properly replaced</td>
<td>At least 6 months</td>
</tr>
<tr>
<td>Remover</td>
<td>Up to 6 months with lid properly replaced</td>
<td>At least 12 months</td>
</tr>
</tbody>
</table>
Directives for the Removal of Logos, End Zones and all Field Markings

1. First and foremost, the surface should be brushed in both directions to allow the fibers to stand up.

2. Apply removing solution, either pure or diluted, depending on what type of paint you are using (only approved removers should be used based on the paint manufacturer’s recommendations – contact FieldTurf Customer Service if you are unsure). Brush in both directions, this will ensure full saturation of the grass fibers. Apply the remover a second time and let stand 10 minutes, depending on the climatic conditions. Remover will dry almost on contact in extremely hot conditions. If this is the case, removal should be attempted in short segments.

3. Use of a broom, brush or any grooming or removing equipment approved for the FieldTurf surface might be necessary.

4. Rinse the surface with clean water to remove any extra paint residue. For best results, use hot water.

5. Leave sufficient time for the surface to dry completely before allowing any activity to resume on your field.

6. The rate of removal may vary due to conditions beyond your control (type of paint, number of coats, exposure, etc). It may be necessary for a second application; if so, repeat the process in the opposite direction.

7. Some infill may be displaced. To avoid this, make sure the brushes used do not penetrate too deep into the infill.

8. Any excess paint will likely be deposited into the infill. Buildup over time will cause the infilled surface to harden. FLUSHING THE SYSTEM WITH WATER (PREFERABLY HOT) IS IMPERATIVE.

9. The use of a paint extracting unit is also very effective to prevent buildup over time. It should be noted that if the above steps are followed your FieldTurf system can be painted multiple times over its life.

10. FieldTurf cannot be responsible for any consequences due to non-compliance of the above directives.

ANY SUBSEQUENT MEASURES NECESSARY TO RESTORE THE INFILLED SYSTEM BACK TO ITS ORIGINAL STATE IS NOT COVERED UNDER OUR WARRANTY AND WOULD BE AT THE OWNER’S EXPENSE.
Snow Removal

There are a couple of methods that can be used to successfully remove snow depending on the situation. This is a highly sensitive operation and the key is to avoid infill removal.

**Method 1.** If a rain tarp is available to cover the surface of the field, this will allow you to remove the snow as soon as it begins to fall with large olathe p.t.o driven blowers attached to a tractor. The snow has to be a dry snow for this to work. If it’s a wet snow you can then remove the snow by using gators with rubber tip plows. Once again, do not allow the snow to accumulate too much before beginning removal.

**Method 2.** Plowing the uncovered surface with pickup trucks/gators works fine, however you will have to retro-fit the plow blade. Here’s how.

- Hardware needed: long lag bolts, washers, and nuts. One 2×4×8 or 4×6×8 lumber.
- Remove the snow shoes from the plow. Then fit a 2×4×8 or a 4×6×8 PVC pipe or alternate material to the blade in order to keep the blade from coming in contact with the surface.
- Drill the wood to allow for a lag bolt head to recess flush with the bottom of the board. Place a washer at the head of the bolt. Run the lag bolt thru the snow shoe ring on the back of the plow. Add washers above and below the bolt as you would with the snow shoe spacers and attach the nut.

When plowing do not try to scrape the surface clean. Doing so will result in the removal of crumb rubber or worse. Drop the plow to the surface and then raise it slightly, leaving a ¼ inch of snow between the top of the surface and the edge of the plow. After the snow has been removed, spread ice melt or black crumb rubber over the field. Allow this to sit 20–30 minutes and then run the field groomer over the remaining snow to help dissolve it quickly.

**Method 3.** Snow blowers work. Remember to avoid scraping it clean. Leave a ¼ inch of snow for this option, followed by an application of rubber or ice melt.

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**BE VERY CAUTIOUS USING ICE MELT ON A FIELD THAT WILL BE USED BY ATHLETES. THE ICE MELT CAN CAUSE SKIN IRRITATION. USE ICE MELT SPARINGLY. CALCIUM CHLORIDE IS PREFERRED OVER SODIUM CHLORIDE BUT CRUMB RUBBER IS PREFERRED OVER ANY TYPE OF SALT.**

Don’t be too concerned with plowing against the seams of the turf. As long as you are not scraping it clean and are taking your time, it will be fine. If you try to proceed with the removal too quickly, the plow will begin to bounce and prevent a proper and thorough snow removal across the surface.

If a large amount of snow is expected, begin removal if possible as soon as there is an inch of accumulation and keep repeating throughout the storm. If the field is to be used in early spring (April), try to maintain the removal of the snow throughout the winter. It will be easier than removing 3 feet of naturally compacted snow at one time.
Field Protection

FieldTurf surfaces require protection from damage when events, other than approved activities, are held on the surface.

FieldTurf Armour turf protection systems are designed for any turf protection need. These interlocking, modular, and expandable systems are ideal for both small and large on-field events.

If you are hosting an event that requires floor covering and vehicle access, it is important to ensure proper maintenance procedures before and after the event so your field does not get damaged. The three FieldTurf Armour systems designed specifically for use on FieldTurf are economical, high performance choices for temporary event flooring and surface protection – no matter what your needs are. Whether you are a small town high school or a professional team, there is a FieldTurf Armour system tailored for you.

These systems are designed to handle heavy loads and provide ultimate stability and maximum temporary protection of FieldTurf fields. They are the most advanced engineered field protection systems on the market.

The specialized design of these systems permits rapid deployment and break down, making these covering systems ideal for time sensitive events.

Certified installers will perform installations for you to ensure that your field is well protected and the floor covering is installed correctly.

Benefits:

- Quick installation
- Easy transport and storage
- Anti-slip sandblast finish is easy to clean
- No unsightly patterns to catch dirt
- No submerged channels to trap food or debris
- High quality co-polymer plastic has izod impact value
- Specific no-break characteristics
- 5-year UV package prevents brittleness
- High ethylene content provides flexure and prevents cracking
- Connector tabs are designed with flexure to prevent breakage

FieldTurf Armour GP

Suitable for guest areas, chairs, and light equipment. This system is designed to minimize wear, surface abrasion, surface and base compaction, and impact on the turf/infill as a result of attendee traffic.

Specifications:

- General Purpose Turf Protection
- Tile size: 4” x 12” x 3/4”
- Module Size: 36” x 48” x 3/4”
- Weight: 0.81 lbs per sq ft
- Supports: 8,000 lbs sq/ft
- Suitable for guest areas, chairs and light equipment.
- Does not require tools - snap connection system.
- Expansion joint modules to control expansion issues outdoors
- Transition edging
FieldTurf Armour MD

Suitable for guest areas, chairs, equipment and staging areas. This system is designed to minimize wear, surface abrasion, surface and base compaction, and impact on the turf/infill as a result of attendee traffic. Underside channels are contoured to eliminate sharp edges. Robust connection system enables tiles to snap together in both directions. MD is robust enough to handle heavy weights, equipment, and attendee traffic.

Specifications:

• Medium-Duty Turf Protection
• Tile Size: 12” x 24” x 1-3/8”
• Module Size: 36” x 48” x 1-3/8”
• Weight: 1.44 lbs per sq ft
• Supports: 20,000 lbs sq/ft
• Suitable for guest areas, chairs, equipment and staging areas.
• Does not require tools - snap connection system.
• Expansion joint modules to control expansion issues outdoors
• Transition edging

FieldTurf Armour HU

Suitable for guest areas, chairs, equipment, staging, trailers, vehicles, trucks. This is the most advanced system on the market today. It is designed to handle heavy weights from vehicles, forklifts, and other moving loads and is the ideal choice for both front and back stage areas. Made from the finest High Density Plastic (HDPE), it is reinforced with additives for increased strength, flex modulus, and izod impact value. Cam locks are manufactured in aluminum providing considerable increased strength.

Specifications:

• Heavy-Use Turf Protection and Portable Roadway
• Module size: 12” x 24” x 1-1/8”
• Weight: 2.45 lbs per sq ft
• Supports: 25,000 lbs sq/ft
• Suitable for guest areas, chairs, equipment, staging, trailers, vehicles and trucks
• Integrated self-aligning hook-and-loop connection system
• Secondary camlock system adds ballast
• Transition edging

After your event is over, it is important to simply brush and groom your FieldTurf surface to rejuvenate the matted fibers and level the top portion of the infill.

Note: To place an order for a FieldTurf Armour system, please visit www.fieldturf.com/maintenance to send in your request. Upon receipt of your information, one of FieldTurf’s trained specialists will contact you to confirm ordering and shipping details.
Vehicle Circulation

Your FieldTurf field is designed to accommodate vehicle loads without causing damage to the field surface provided the following conditions and recommendations are followed:

- Ensure that the machines being used on the field are not leaking.
- Typically, bases supporting your FieldTurf field are designed for a maximum load-bearing capacity of 70 pounds per square inch (70 psi). Vehicles circulating on your field should conform to this load-bearing capacity limit, unless your base has been specially designed to support heavier loads. Please refer to your internal design criteria to verify the maximum acceptable load your field can accommodate.
- Only vehicles equipped with pneumatic rubber turf tires should be allowed to circulate directly on the field surface.
- Turning of the vehicle on the surface should be done in a wide radius.
- Turning of the vehicle should only be done when the vehicle is in forward motion.
- All vehicles should circulate at slow speeds at all times.
- Abrupt and sudden braking must be avoided.
- Sudden acceleration and spinning of wheels must be avoided.
- Vehicle wheels should be clean at all times to prevent mud or dirt from being deposited on the field surface.
- All vehicles in direct contact with FieldTurf surfaces should be inspected for possible leakage of oil or hydraulic fluids prior to accessing the field.
- In order to avoid rutting of the infill and of the underlying base, circulation of vehicles on outdoor saturated fields must be avoided.
- To protect against heavy and larger sized vehicle circulation, a layer of ¾” thick plywood must be placed over a vinyl tarp covering the field to a minimum distance of 40’ to 60’ (12 to 20m) and should be installed at all entrance and exit points to the field.

Please note: The FieldTurf surface should be groomed and swept following heavy traffic.

Help

In addition to these guidelines, there are three ways to get answers to any FieldTurf questions you may have:

1 – Contact our Customer Service Department at 1-800-724-2969
2 – Consult our Maintenance DVD
3 – Visit www.fieldturf.com/maintenance
FieldCare Maintenance Program

FieldCare is a national maintenance program geared towards making FieldTurf synthetic turf field systems perform at their optimal level for even longer. The FieldCare program, which is offered to all FieldTurf clients, is comprised of complete field inspections and regular maintenance done only by FieldTurf authorized maintainers. Our national network of trained professionals has allowed the world leader in synthetic turf surfacing to accomplish another ground-breaking offer to its clients and yet another industry-first.

FieldCare maintenance crew visits can be scheduled at your convenience, and will arrive with the customized equipment and supplies necessary to complete the job accurately and within your schedule.

Refer to the FieldCare brochure for detailed information about the program. To sign up or if you have any questions regarding this program, please contact us at our FieldCare headquarters. If you are a FieldCare subscriber, please consult your FieldCare representative for regular maintenance requirements.

FieldCare Headquarters:

Phone: 877-4-FieldTurf
Email: fieldcare@fieldturf.com
www.fieldturf.com/fieldcare
Frequently Asked Questions

What are the best types of shoes to wear on FieldTurf?

The superior playing characteristics of your FieldTurf surface are directly associated with correct footwear and include: torque release, surface friction and traction. The best types of shoes are molded cleats or screw-ins (maximum recommended is ½”). The footwear designated for natural grass is easily transferable to use on FieldTurf.

While use of long steel jagged cleats on FieldTurf will not void the warranty, they are not recommended. Limited use is allowable.

It is important to note that flat-soled shoes and steel cleats do not result in ultimate athlete performance.

Metal and aluminum rounded molded cleats are acceptable.

A complete traction study of footwear on FieldTurf is available upon request.

We have had some vandalism on our field, what do we do?

In all cases, photographs should be taken immediately of any vandalism that has taken place. These will be needed for insurance purposes and should also be sent to the FieldTurf Customer Service Department in order to evaluate the scope of the required repairs.

Burn or singe marks should be evaluated immediately. In some cases, a qualified crew might be able to repair these without replacing sections of the turf.

In the case of paint vandalism, it will be imperative to remove the paint as soon as possible, as the longer it stays on the surface, especially in the hot sun, the more difficult it becomes to remove.

Two commercially available removers are safe for use with the FieldTurf system;

1) Graffiti remover by Goof-Off

2) Simple Green

Both of these are most effective when used in conjunction with warm/hot water.

A pressure washer is ideal when available; a few guidelines to follow:

1) Apply approved remover first.

2) Work it in with a brush, first one way against the fibres, then the other. Hot/warm water can be used on the brush to further activate the remover.

3) The pressure washer nozzle should be held no closer than 2’ from the grass & at no less than a 45 degree angle.

4) Again, going in one direction of the fibers, then back the other way.

5) All steps should be repeated if necessary.

It should be noted that in most cases it is not known what kind of paint we are dealing with. The above mentioned removers might not give the results needed. Please contact the FieldTurf Customer Service Department as several paint suppliers also manufacture various removers that are safe on our surface. They are also very helpful and knowledgeable with removal methods and will be a good phone or on-site resource, if needed.
We have a sporting event on our field with no time to configure the field properly. Can we use lime, chalk, or tape for temporary lines?

The use of pulverized lime stone such as used on a natural grass field for baseball is not ideal as it tends not to stick to fibers, but simply settle into the Infill. Their prolonged use tends to “gum” up the infill and could eventually affect drainage in those areas.

One time use, if time is a constraint and there are no other options, might be permitted. Please contact FieldTurf Customer Service before proceeding.

Testing the chalk off the field of play is ideal, as it helps adjust your flow rates and allows you to apply as little as possible, while still allowing the players and officials to see the lines.

Unfortunately, all the tests and attempts that have been done with “tapes” to line fields have not been successful. They are either too tacky & risk pulling out fibers & also risk leaving a residue that has to be taken off with a gum remover or are too flimsy and risk being a trip hazard.

A chalk paint is ideal for short term use. Please contact the FieldTurf Customer Service Department for a list of recommended suppliers.

What equipment can be used to paint and remove paint?

A list of recommended painting and paint removal equipment, as well as painting and removal tips and guidelines can be obtained by contacting your FieldTurf Customer Service Department.

We used to have fireworks on the 4th of July, can we still have them with our new field?

Whenever possible, direct contact of fireworks should be avoided near our synthetic grass system. However though some polyethylene fibers could be singed when in contact with live ambers or fireworks, water will immediately alleviate any damage. A fire extinguisher can be used, but water is preferable since it leaves no residue to penetrate the infill, but either one is fine.

Watering the field will certainly help reduce potential damage, however, whenever possible, the field should be covered by a “fire resistant” covering.

Contact the Customer Service Department for a list of recommended suppliers.

Can a Leaf Blower be used on the Field?

Yes, this is an effective method of getting rid of leaves, pine needles, dried sunflower seeds etc. The blower should be held no closer than 2’ from the surface and at a 45 degree angle as to avoid displacing any of the infill from the field.

How does climate affect the FieldTurf surface i.e. snow, rain, and salt water?

Your FieldTurf surface is designed to withstand a wide range of climatic and atmospheric conditions, such as ultraviolet rays (UV), snow, ice, and salt water and sea climates without damage. However, it is essential that the field is washed periodically to remove any salt water deposits on the field surface.

We seem to have a lot of geese landing on our field while they migrate back and forth in the fall and spring, what can we do to keep them away?

Several remedies are safe for humans and unpleasant for our feathered friends.

Contact our FieldTurf Customer Service Department for further details.
Can track and field events such as discus, javelin, shotput be held on my field?

It should be noted that the use of the discus, shot-put, javelin and hammer will not void the warranty.

However to avoid any damage to the FieldTurf surface the following guidelines must be implemented:

The surface should be covered with an appropriate tarp or covering so that the FieldTurf surface is not damaged in any way. An un-infilled piece of FieldTurf also works very well.

FieldTurf recommends that the landing space be rotated each time to avoid use in a concentrated area.

Grooming of the infill is recommended after each event to ensure that the infill is redistributed properly.

The Javelin must be equipped with a rubber tip to avoid damage to the FieldTurf system.

FieldTurf, however, cannot be responsible for any damages caused to the Field by use of any of the equipment mentioned above.

Can we use training equipment, such as blocking sleds on the field?

Training devices should be used with caution. Though their use does not constitute any breach of your warranty, FieldTurf cannot be responsible for any damage caused by the use of any such training equipment.

If used, some of the recommendations are as follows:

- Make use of sleds and various training devices off the field of play, such as D zones, end zones and areas off the main boundaries of play where the panels run parallel to the field and no inlaid markings appear.
- If used on the field of play, at the customer's own risk, this should be between the yard lines, across the field, as opposed to between the goal posts, up and down the field.
- It is imperative to verify that the bottom runners of the sled are smooth.

As in other higher use areas on the field, grooming frequencies might have to be increased to groom both the infill and the fibers.

Note: While certain manufacturers offer equipment specifically for synthetic turf surfaces, they do not accept responsibility for any damages that might occur on the surface.

Can bleaching agents be used on FieldTurf fields?

Oxidizing agents such as bleaching agents should NOT be used on FieldTurf fields.

I seem to have base depressions or dips on my field, what do I do?

Base depressions or “dips” that form on a field are not unlike potholes on our roads. The sub-base construction is similar in some aspects to road work. It usually consists of 6” to 10” of crushed stone over the existing soil that was graded and compacted. Over time and especially if the soil is of poor quality or unstable, areas may depress.

The unevenness or depression that has formed is a result of the shifting of the base soil below it. Obviously this then causes the turf system to sink. It should be noted that this is not part of the turf system warranty, but should be addressed. Contact your base contractor with any sub-base related issues.

What do I do if we spill Gatorade on the field?

We recommend that the areas with Gatorade or other drinks/fluids be cleaned as soon as possible with water in order to avoid bugs being attracted to the surface or jerseys becoming stained as a result of the spilled liquid.
Why does my field appear to be slow in draining?

Slow/insufficient drainage can be caused by a wide variety of factors which include, but are not limited to:

- Poor drain base design
- Utilization of incorrect drain base materials
- Improper drain base construction techniques
- Inadequate infrastructure
- Other outside factors

If these factors have been ruled out or do not seem to be a likely contributing factor, it is possible that the slow drainage is a result of surface tension – a natural phenomenon common in the fabric, carpet and outdoor flooring industry. Surface tension is especially common on recently completed fields. In most cases, the problem resolves itself naturally over the 6 week break-in period as the field in played on. In rare cases, the field could be treated with a surfactant and/or degreasing agent to enhance water penetration and eliminate surface tension.

It should also be noted that some “puddling” or “ponding” is perfectly normal in certain circumstances. In almost all cases, however, the field should be free and clear of any standing water once the precipitation has stopped for approximately 30 minutes.

Notes: