

YOU BOUGHT THE BEST.
NOW GIVE IT THE CARE IT DESERVES



MAINTENANCE GUIDELINES



WELCOME TO FIELDTURF!

It is my great pleasure to welcome you to the FieldTurf family. Thank you for putting your trust in our hands. Together, we are making a commitment to thousands of athletes who will play on your new field for years to come. This is the beginning of a long-term partnership between our two organizations.

Please take the opportunity to read through these maintenance guidelines. They are here to make your life as easy as possible. We recommend that all maintenance personnel review the guidelines and watch FieldTurf's maintenance DVD that demonstrates procedures, equipment usage, general maintenance guidelines, cleaning products, and frequently asked questions.

Have a question that you need answered? Our dedicated team is there to help with any questions. Our team guarantees fast and effective solutions for all your needs.

Phone: 1-800-724-2969

E-Mail: customerservice@fieldturf.com

Welcome to the family!

Sincerely,

Eric Daliere
President

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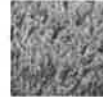
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GETTING STARTED – THE ESSENTIALS

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.

FieldTurf Owner's Manual Acceptance Form



Field Name: _____ Field Location: _____

Owner Representatives Present: (Name & Title)

1. _____ 2. _____
3. _____ 4. _____

Training Session:

Date provided: _____ Duration: _____

The following were reviewed during the session:

- ☐ FieldTurf Maintenance Guidelines ☐ BARS
☐ Infill Replenishment Practices (High Traffic Areas) ☐ FieldCare – New Field Program Offer

Description of Equipment Provided: _____

- ☐ Maintenance equipment assembled by installation crew
☐ Equipment demonstration set up on utility vehicle provided by field owner
☐ Field maintenance training provided by installer with "Field Demo"

	Quantity Stock
Field rolls - quantity:	<input type="text"/>
Sand - quantity (tons):	<input type="text"/>
Rubber - quantity (tons):	<input type="text"/>
Colored turf:	<input type="text"/>
Colored turf:	<input type="text"/>
Colored turf:	<input type="text"/>
Colored turf:	<input type="text"/>
Other:	<input type="text"/>
Date received	<input type="text"/>
maintenance equipment:	<input type="text"/>

I the undersigned acknowledge having received the FieldTurf Owner's Manual for the product purchased by the owner. By signing this document the Owner confirms that the above listed items have been provided/completed in conformance with the project requirements and delivered/accepted by the owner.

Please give original copy to FieldTurf Representative and keep a photocopy for your records. **Read, Agreed and Accepted**

Authorized Personnel Name: _____ Authorized Signature: _____
Organization: _____ Date Submitted: _____
Installation Foreman: _____ Foreman Signature: _____
Certified Installer's Company: _____

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.



THE ULTIMATE
SURFACE EXPERIENCE

Official FieldTurf Maintenance Log

Date Form Submitted: _____ (M/D/Y)				
Organization: _____		Name of Field: _____		
Name of Maintainer: _____		Tel.: _____		
STAGES	Date	Signature	Date	Signature
Surface Brushing Recommended Frequency: Every 4-6 weeks	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
Surface Aerating Recommended Frequency: Maximum 3 times/year, ideally after every sport season and after snow clearing, if applicable (beginning in 2nd year)	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
Surface Raking Recommended Frequency: Every 4-6 weeks	Month / Day / Year	x	Month / Day / Year	
	Month / Day / Year	x	Month / Day / Year	
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
Surface Sweeping Recommended Frequency: As needed	Month / Day / Year	x	Month / Day / Year	
	Month / Day / Year	x	Month / Day / Year	
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
Additional maintenance activities (specify) Recommended Frequency: As needed	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
	Month / Day / Year	x	Month / Day / Year	x
Complete inspection of line markings, seams and high traffic areas Recommended Frequency: As needed				
Infill top dressing Recommended Frequency: As needed				
Snow removal (if applicable) Recommended Frequency: As needed				

There are three ways to submit this completed form:

① Fax: 514-340-9374

② Email: customerservice@fieldturf.com

③ Physical Mail: 8088 Montview, Montreal, QC, Canada H4P2L7
Attn: FieldTurf Customer Service

White form to be sent to FieldTurf Customer Service / Pink form is your copy

Tarkett Sports

APPROVED ACTIVITIES

OUR FIELDTURF SURFACE HAS BEEN DESIGNED FOR THE FOLLOWING APPROVED AND PERMITTED ACTIVITIES, IN ADDITION TO A WIDE RANGE OF NON-SPORTING ACTIVITIES:

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.

- Football
- Field Hockey
- Baseball/Softball
- Lacrosse
- Soccer
- Rugby
- Physical Education
- Pedestrian traffic
- Graduation
- Concerts
- Events
- Outdoor Ice Hockey Games



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 2 COMPLIMENTARY SIGNS TO HANG AT THE ENTRANCE OF THE FIELD AND AROUND THE PERIMETER IN ORDER TO CLEARLY DEMONSTRATE THE MAJOR PROHIBITIONS ON FIELDTURF.



Protect Your Turf

- NO food
- NO sunflower seeds
- NO tobacco products
- NO chewing gum
- NO smoking
- NO driving stakes

Questions? Call FieldTurf 800-724-2969

FIELDTURF FIELD SETTLING

FIELDTURF HAS PROVEN TO BE THE HIGHEST PERFORMING AND THE MOST DURABLE BRAND OF ARTIFICIAL TURF IN THE WORLD. THE FIELDTURF SYSTEM IS AN ENGINEERED PRODUCT CONSISTING OF SPECIALIZED COMPONENTS ALL GEARED TOWARDS MAXIMIZING ATHLETE SAFETY AND FIELD PERFORMANCE.

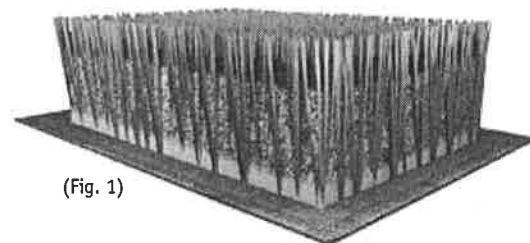
In addition to industry-leading manufacturing and service standards, what sets FieldTurf apart is the patented 9 lb / square foot sand and rubber infill system, along with the world's most durable fiber that is exclusive to FieldTurf.

It is important for field owners to understand what constitutes normal behavior of these vital components over time. Below are the three major stages that a field will go through in order to achieve its optimal level of performance. These three stages are not only normal but a necessary progression in the life of an artificial turf field.

INITIAL

The field has just been installed. Fibers are upright and infill is slightly higher and looser.

Approximate duration for this stage depending on use and proper maintenance: years 0-1 (Fig. 1)

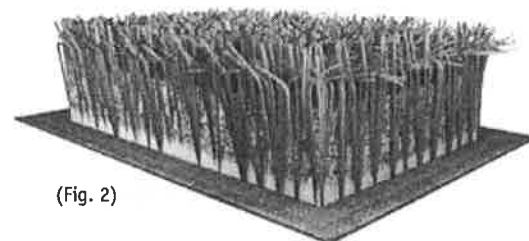


(Fig. 1)

SETTLED

Fibers are not as upright and are beginning to layover in order to encapsulate the infill and provide for a more grass-like appearance. The infill height has been lowered and has settled to its ideal level of 3/4" below the tip of the fiber held in an upright position.

Approximate duration for this stage depending on use and proper maintenance: years 2-5 (Fig. 2)



(Fig. 2)

MATURED

The fibers have laid over and the infill height remains at its ideal level. In these later years, the consistency and durability of the FieldTurf system is brought to the forefront as the product continues to exude ideal levels of safety and performance after heavy use.

Approximate duration for this stage depending on use and proper maintenance: years 6-8+ (Fig. 3)



(Fig. 3)

ROUTINE MAINTENANCE

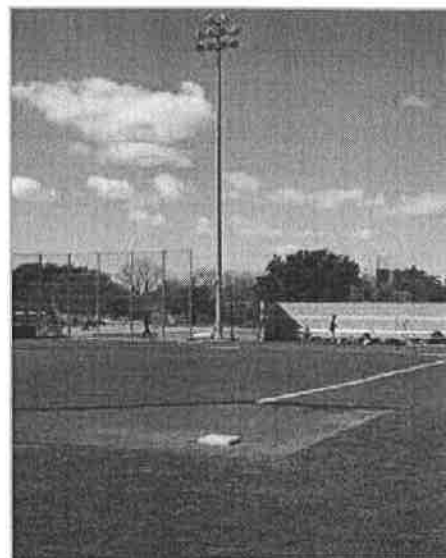
REMOVAL OF WEEDS AND MOSS

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:

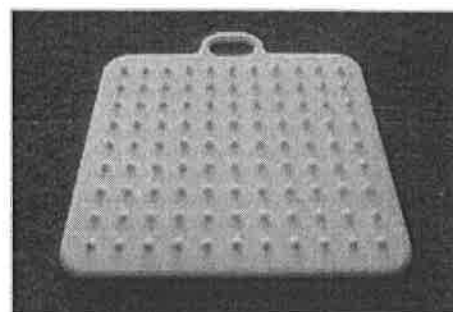
- The field surface has not been maintained or groomed over a long period of time.
- If there is an unusual amount of shade on the field and the field has been neglected.
- If the field surface has been left covered with vinyl tarps over a long period of time.
- If there is sufficient moisture and any/all other conditions for growth are met.



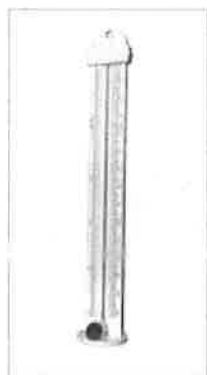
SHOE CLEANING

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

- Cleaning tools should not be placed directly on the FieldTurf surface.
- Various models are available online or in most sports stores.



MAINTENANCE CARE PRODUCTS



Depth Gauge



Turf Bond
10 oz Tube



Turf Bond Kit
4 x 10oz Tubes & 40' Seaming Tape



Emergency Repair Kit

EMERGENCY REPAIR KIT INSTRUCTIONS

FieldTurf is very proud to introduce you to its “Emergency Repair Kit”

The FieldTurf Emergency Repair Kit contains the following; Brush, Putty Knife, Rags, Depth Gauge, Caulking Gun, Turf Bond Adhesive, Seaming Tape, Scoring Knife and Angle Irons. Other items you will need are: A leaf rake and/or a stiff bristled broom or brush and a clean Shop Vac. You might also need; a small quantity of Rubber Infill and/or Silica Sand and possibly a Leaf Blower, if conditions are not perfectly dry, and a shovel.

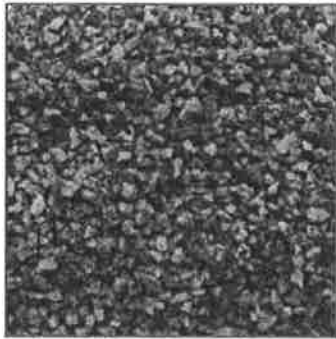
1. Make sure that the area is reasonably dry. If the area is damp, you can use the reverse function on the Shop Vac, or aim a Leaf Blower approximately 2' from the area and in a back and forth motion to dry the area as much as possible or you can peel back the area and let mother nature help if the sun comes out.
2. With the aid of a Shop Vac, making sure that it is clean; as you will re-use the infill, lift the affected area and pull on the turf a bit further in order to insure that the rest of the area is secure. Vacuum the infill from the carpet backing, as well as a bit of infill from each side.
3. Use the angle irons provided to hold back the turf of both sides of the inlay being repaired.
4. Apply the “Turf Bond” adhesive to the area to be re-glued. The Putty Knife provided can be used to help even out the adhesive. A spray mist of water will help the bonding process.
5. Replace the turf onto the glued area by using a rolling method, additional adhesive can be added to this step, if required. Check the area in about 15 minutes to insure the bonding process has begun. The longer you can wait before re-infilling the better (1 hour minimum).
6. Replace the infill mix that has been removed during the gluing process by layering the infill in small quantities, while making sure no fibers get trapped during the process.
7. If pure rubber is available to you, you can touch up the top layer, if needed, to bring the infill depth back to the specified level.
8. Void from the top of the infill to the top of the fibers should be $\frac{3}{4}$ " – 1" (this can be verified by using the Depth Gauge included in the kit).

The repaired area should take about 24 hours to dry completely, however the area can usually be played on in approximately 2 hours.

Please make sure that you have reported the repairs to us, by phone 1-800-724-2969 or by email customerservice@fieldturf.com indicating exact locations and photographs, if possible, so that we can record and track your field performance over your field's longevity. Your Customer Service representative will schedule a field visit from a repair technician as soon as they are available to be in your area.

You can also watch our repair video at www.fieldturf.com/repair

If you have any questions, please contact FieldTurf's Customer Service team at 1-800-724-2969



What to Expect



Surfactant & Anti-Static Application

FieldTurf CoolPlay systems feature an infill mix made up of SBR rubber and sand with a layer of cork granules. There are many real benefits associated with CoolPlay systems such as proven top surface level heat reduction, fire-resistance, and a very natural aesthetic – due primarily to the layer of granulated cork infill used in the CoolPlay system.

The settling process of natural infill material is different than that of traditional infill materials. The three points below are what to expect with the CoolPlay system material upon initial installation.

1. Additional Installation Procedures that FieldTurf will undertake on CoolPlay Fields

FieldTurf will ensure that the infill material is well aerated prior to applying the final cork top layer. A surfactant and anti-static liquid will also be applied to the infill layer to combat naturally-occurring static and surface tension that could, under the right outdoor conditions, contribute to infill displacement and prevent water flow through. This is a preventative measure.

2. A Prolonged Natural Settling Process

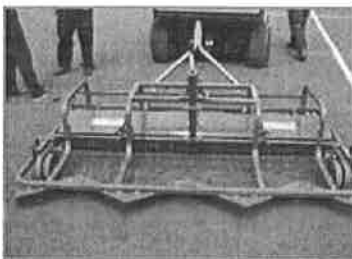
Due to the lighter weight of the natural cork granule, some cork infill displacement is expected to occur after the first couple of heavy rainfalls and/or in temperatures that are prone to create temporary static charge of the infill. This is expected and part of the infill's natural progression to a more settled state. Any displaced infill can be brushed back into the body of the field.

3. Regular Brushing & Anti-Static Application

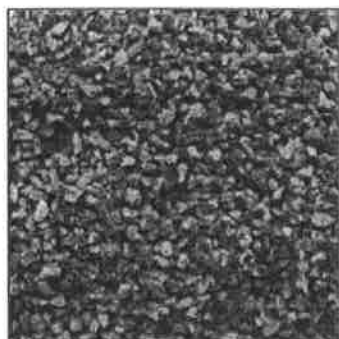
The minor additional maintenance items associated with the CoolPlay system is that you will need to brush the field every 2 weeks and after each heavy rainfall. It is also advised to apply the FieldTurf anti-static treatment to your field if static is occurring within the first few months of the life of your field. This is an environmentally friendly product that is diluted in water. The cork infill is the best known infill heat reducer in the industry and also provides for a fire-retardant surface. Clients report that the benefits of this system far outweigh the tasks of having to brush the surface and apply anti-static liquid to smooth out any infill that may or may not have been displaced.



Aeration Activity



Groom Right



Maintenance Guidelines Addendum for FieldTurf CoolPlay Fields



Static Conditioner

Surface Anti-Static & Water Treatment

RECOMMENDED FREQUENCY:

On an as needed basis for the initial break-in period of the field. Applying the FieldTurf anti-static treatment in recommended dilution rates with water will help alleviate infill static that commonly occurs on new infilled turf fields.

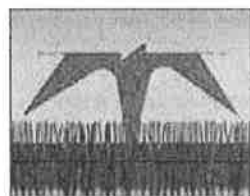


Brushing

Surface Brushing

RECOMMENDED FREQUENCY:

Every 2 weeks and after heavy rainfalls.

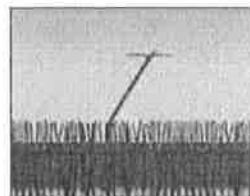


Aerating

Surface Aerating

RECOMMENDED FREQUENCY:

Maximum 3 times/year, ideally after every sport season and after snow clearing, if applicable (beginning in 2nd year).

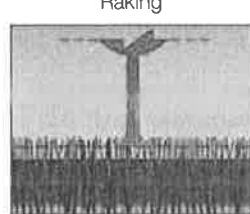


Raking

Surface Raking

RECOMMENDED FREQUENCY:

Every 4-6 weeks.



Sweeping

Surface Sweeping

RECOMMENDED FREQUENCY:

As needed.

Complete Inspection (of line markings, seams and high traffic areas)

RECOMMENDED FREQUENCY:

As needed.

Infill Top Dressing

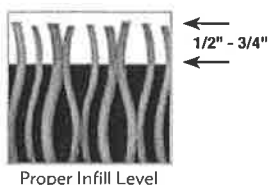
RECOMMENDED FREQUENCY:

As needed to keep $\frac{3}{4}$ " of the fiber exposed and proper infill depth. This will be a necessary periodic maintenance item given the light-weight and organic nature of the PureFill cork grain.

Maintenance Guidelines Addendum for FieldTurf DoublePlay Baseball Fields

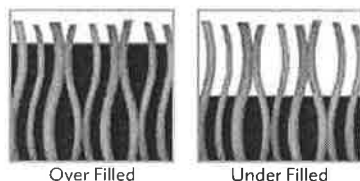


DOUBLEPLAY



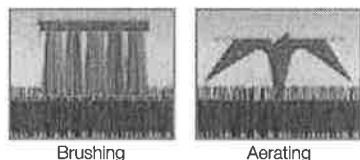
Thank you for purchasing a high performance FieldTurf baseball field. You now join the likes of hundreds of others around the country that play on our surface.

In addition to our standard maintenance guidelines we recommend that you pay special attention to the following DoublePlay specific items:



Proper Infill Depth

At all times, there must be no less than 1/2" and no more than 3/4" fiber showing above infill. Maintaining the infill level is critical to fiber performance and player safety. Specific attention must be given to the home plate and first base areas (if covered by FieldTurf). We recommend that the infill levels be measured and remediated at these areas after every game and practice.

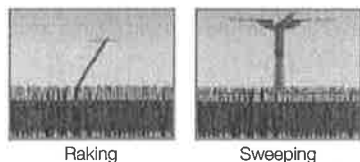


Surface Brushing

RECOMMENDED FREQUENCY: Every 2 weeks or as needed to maintain proper infill depth and fiber appearance.

Surface Aerating

RECOMMENDED FREQUENCY: Maximum 3 times/year, ideally after every sport season and after snow clearing, if applicable (beginning in 2nd year).



Surface Raking

RECOMMENDED FREQUENCY: Every 4-6 weeks or as needed to maintain proper infill planarity and infill depth.

Surface Sweeping

RECOMMENDED FREQUENCY: As needed.

Complete inspection (of line markings, seams and high traffic areas)

RECOMMENDED FREQUENCY: As needed.

Infill top dressing

RECOMMENDED FREQUENCY: As needed to keep proper infill depth. This will be a necessary periodic maintenance item given the nature of athletic activity on most baseball fields, especially in the high traffic areas – home plate, first base, second base, third base.

Home Plate Area

We recommend that the home plate area, when covered with FieldTurf, be protected with an alternative turf surface during practices.





FieldTurf DoublePlay Infill Depth Maintenance

In order to properly maintain the infill depth on FieldTurf baseball fields, it is essential to have the following simple tools available at all times.

Essential Infill Depth Maintenance Tools

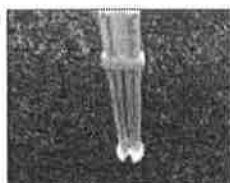
- Plastic Handheld Rake
- Plastic Handheld Infill Scooper
- Infill Depth Gauge

(Provided by FieldTurf)

With a few simple steps using your essential infill depth maintenance tools, infill can easily be added and leveled out for areas on the field that are low on infill. These areas are typically high traffic spots such as the home plate area, first base, second base, and third base.

Step 1

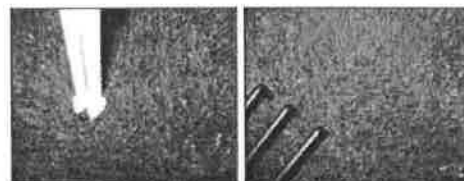
Using the infill depth gauge, loosen the black screw at the bottom of the depth gauge, place the flat circular part flush with the top of the infill and move the top lever down until the needle penetrates the infill to the turf backing. Verify and record that the depth level is within specification. The infill depth should always be such that 0.5" to 0.75" of fiber is showing above the infill. That translates to an infill depth of 1.25" for any of FieldTurf's standard baseball products featuring turf fiber heights of 2" or 1.75".



***Note:** When inserting the needle into the infill, do not press overly hard so as to break the depth gauge and ensure that the needle is not bending in order to get an accurate depth measurement.

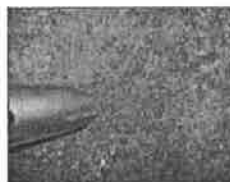
Step 2

Identify the areas with low infill using your infill depth gauge and brush or lightly rake the fibers in the given area to an upright position.



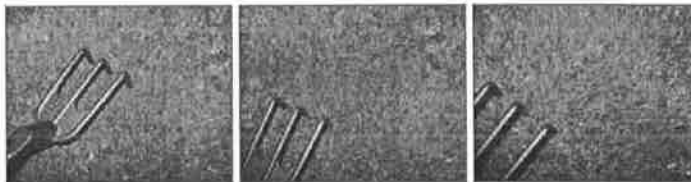
Step 3

Add required amount of SBR cryogenic rubber infill to get the low infill area to its proper specified depth using the plastic handheld infill scooper.

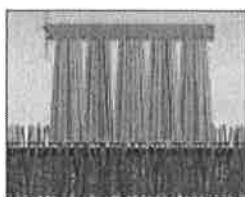


Step 4

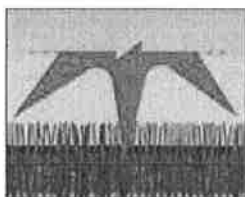
Rake the infill into the turf with the plastic handheld rake. Minimal force is required to work the added infill into the turf. Once complete, ensure that the infill is evenly placed in the given area using your infill depth gauge.



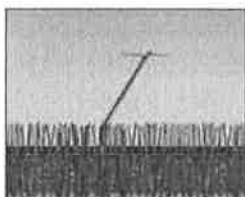
Maintenance Guidelines Addendum for FieldTurf Indoor Fields



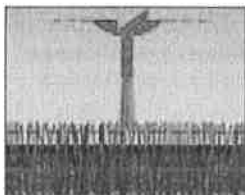
Brushing



Aerating



Raking



Sweeping



FieldTurf Scrub Detergent
FieldTurf Static Conditioner

Surface Brushing

Every 2 to 3 weeks. Maximum.

Surface Aerating

Max 3 times per year, beginning in 2nd year.

Surface Raking

As needed.

Surface Sweeping

As needed.

Infill Replenishment

Weekly in high traffic areas. As needed elsewhere to maintain proper infill depth with 3/4" of fiber exposed.

Infill Re-Distribution

A leaf blower may be required to clear infill from perimeter/board/wall areas.

Complete Inspection

Inspection of line markings, seams and high traffic areas as needed.

Cleaning / Sanitizing

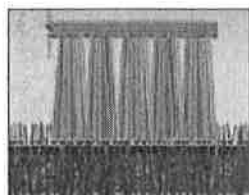
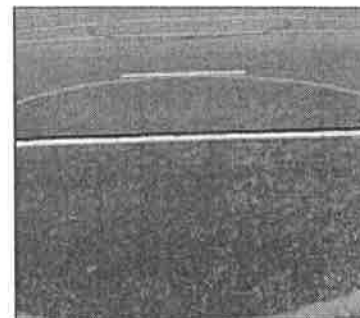
Use FieldScrub minimum once per year.

Anti-Static Conditioning

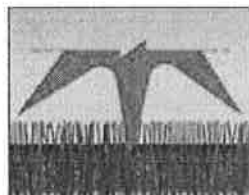
As needed.

PLEASE NOTE: All entrance areas should be covered to avoid premature wear.

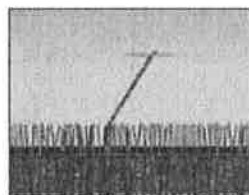
Maintenance Guidelines Addendum for FieldTurf Lacrosse Fields



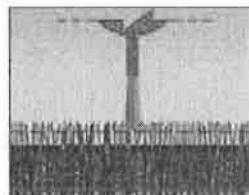
Brushing



Aerating



Raking



Sweeping



Surface Brushing

Every 4 weeks. Maximum.

Surface Aerating

Twice per year, for entire field.

Surface Raking

Every 6 weeks. Maximum.

Surface Sweeping

As needed.

Infill Replenishment

Weekly or as needed in high traffic areas to maintain proper infill depth with 3/4" of fiber exposed.

Complete Inspection

Inspection of line markings, seams and high traffic areas as needed.

Weekly:

- Verify inlaid markings at crease areas, fans, and center face off for infill levels and fiber layover.
- Practice and "Drill" areas, in and around the goal also need to be checked more regularly to make sure infill depth is within the normal range.
- Add infill to all key critical field areas.

Annually:

Field inspection by trained FieldTurf "FieldCare" personnel is recommended. If needed, yearly or bi-annual additional inspection and grooming can be discussed with our trained personnel, depending on field usage.

BARS

BRUSHING AERATING RAKING SWEEPING

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.**

SETTING SWEEPERS: When setting Sweepers 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.

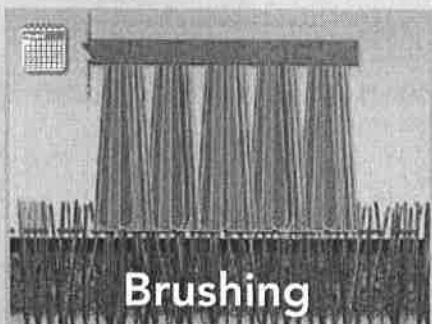
SETTING GROOMERS: When setting the Groomer components for use, the rotating tines should penetrate the infill by 3/4". The rakes should penetrate the infill by 1/2". The brushes should not penetrate the infill.

N.B. If you are subscribed to a Field Care Program, please consult your Field Care Manager for recommended grooming frequencies. Grooming systems equipped with internal/external rotary brushes should be limited to frequencies of 2-3 times per year.

A SUMMARY OF THE STEPS TO FOLLOW FOR LONG-LASTING PERFORMANCE

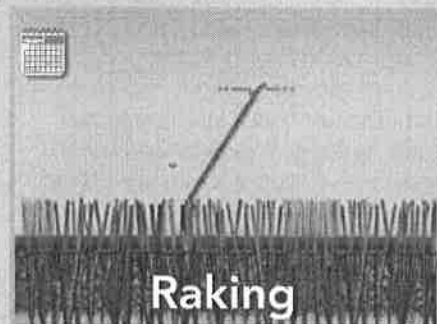
BRUSHING - Rejuvenates the matted fibers and levels the top portion of the infill.

EVERY 4-6 WEEKS



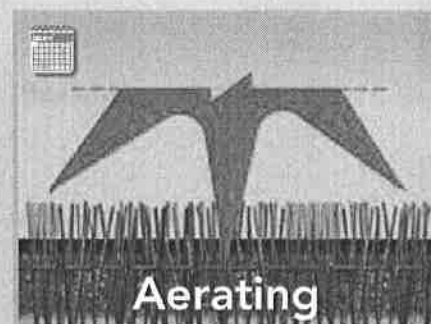
RAKING - Prevents fibers from matting down and ensures that the infill is loosened.

EVERY 4-6 WEEKS



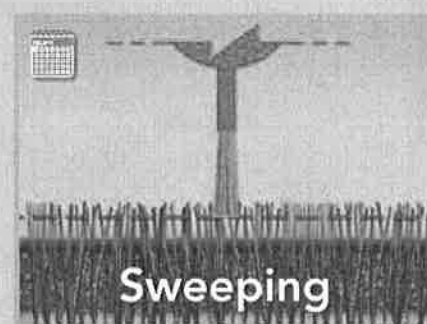
AERATING - Rotating tines are designed to penetrate and loosen the infill to avoid minor compaction.

MAXIMUM 3 TIMES/YEAR (BEGINNING 2ND YEAR)



SWEEPING - A clean field ensures that foreign material or debris does not get into the infill.

AS NEEDED



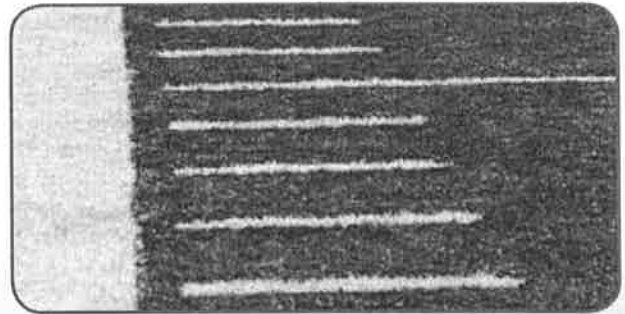
OTHER NECESSARY MAINTENANCE PROCEDURES SHOULD BE DONE PERIODICALLY AND ACCORDING TO USAGE.

INSPECT LINES & MARKINGS

It is important to notify our Customer Service department if any line markings or seams come apart.



as needed



INFILL TOPDRESSING

Adding rubber to the top layer of infill may be necessary in high traffic areas.



as needed



SNOW REMOVAL

If you need to remove snow from your field, adhering to proper guidelines is vital. (See page 26)



as needed



FIELD COVERING

Use FieldTurf Armour protection systems for any events that require field covering and vehicle access. (See page 28-33)



EQUIPMENT

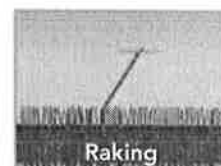
FieldTurf has a complete lineup of custom equipment engineered to facilitate all your maintenance requirements. All equipment or vehicles used on FieldTurf must be equipped with turf tires. Equipment must be stored indoors or outdoors with proper covering, such as a tarp.

The list of approved maintenance equipment includes the FieldTurf GroomRight, the FieldTurf GroomRight Wings, the FieldTurf SweepRight, the FieldTurf SweepRight Pro and the FieldTurf Tow Behind Magnet.

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.

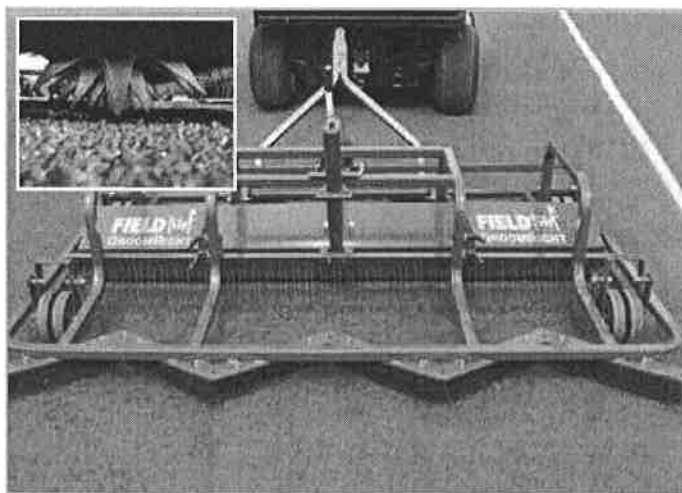


FIELDTURF GROOMRIGHT

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: 4 - 6 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



FIELDTURF SWEEPRIGHT

FieldTurf SweepRight is a mechanically driven unit designed to remove larger fallen debris from the FieldTurf surface and it 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
- Same setting for the SweepRight and SweepRight Pro.



FIELDTURF SWEEPRIGHT PRO

FieldTurf SweepRight Pro is a gear driven sweeping system with 6' brush and vibrating debris hopper to sift infill material.





Brushing



Raking

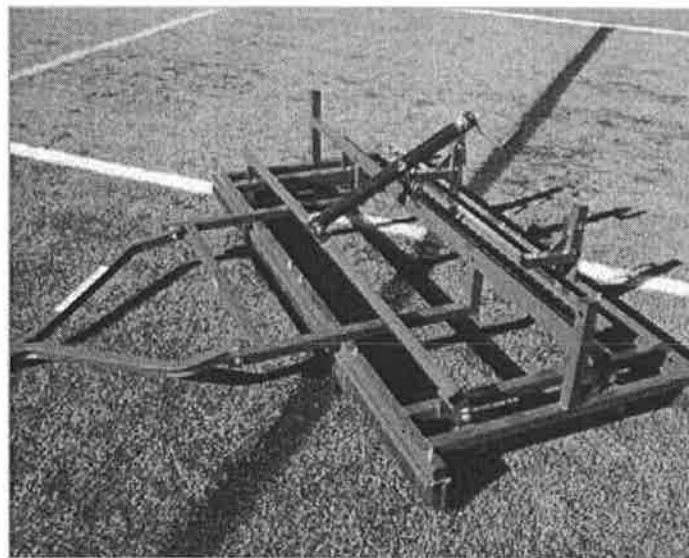
FIELDTURF STATIC BRUSH

FieldTurf Static Brush has a 7' static drag brush and spring tine system. Designed to lift synthetic fibers and level infill material. Brush height and spring tines are independently adjustable.

SETTING:

When setting the Static Brush for use, the brushes should not penetrate the infill. The rakes should penetrate the infill by 1/2".

- Frequency:
 - Raking: 4 - 6 weeks
 - Brushing: 4 - 6 weeks
- Recommended Vehicle: Small garden tractor, gator or larger vehicle
- Speed: 3 mph – always make wide turns



ACCESSORIES

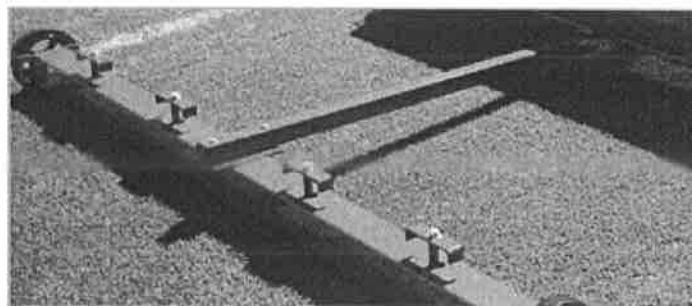
FIELDTURF GROOMRIGHT WINGS

Removable and adjustable brush extensions extend the unit to 14 feet in order to level off infill and raise fibers for better field playability.



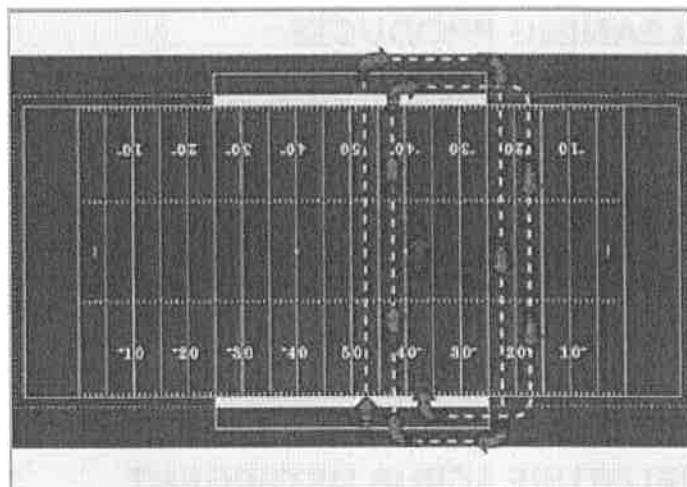
FIELDTURF TOW BEHIND MAGNET

- 7' tow behind magnet
- Detachable tow hitch
- Works independently or as an attachment for the SweepRight Pro or GroomRight
- Quick release pull handle for debris removal



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. Rotating start position and end direction is recommended. The last passes should be end to end on the side panels.



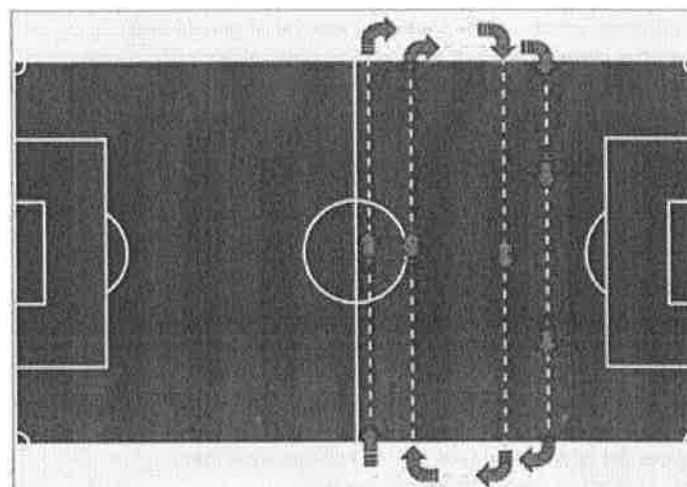
FOOTBALL

KEY FACTS ABOUT FIELDTURF MAINTENANCE EQUIPMENT

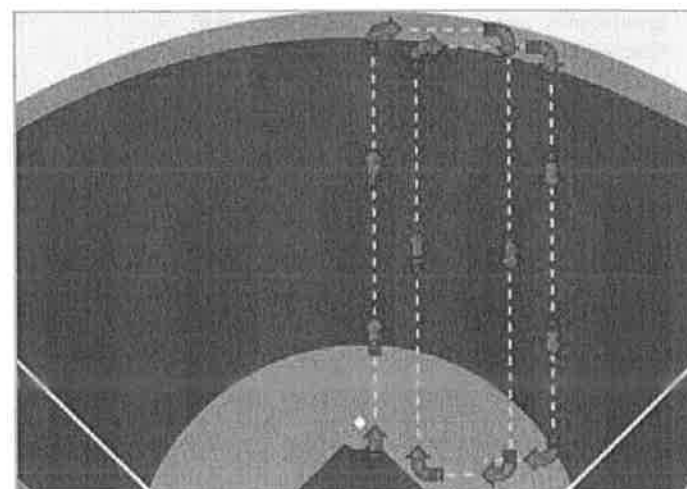


IMPROPER USE CAN DAMAGE YOUR EQUIPMENT AND YOUR FIELD. PLEASE TAKE NOTE OF THE FOLLOWING KEY FACTS:

- 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 stationary 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.



SOCCER



BASEBALL

CLEANING PRODUCTS

FieldTurf has a variety of environmentally friendly products to keep your field completely clean. For unit conversions, please note that we are using the following conversion rate:
1 Gallon = 4 Liters.

FIELDTURF SCRUB DETERGENT

FieldTurf Scrub is a powerful industrial cleaner and conditioner, which can be used for removal of grease and oil, and is chemically formulated to be compatible with other FieldTurf treatment products, such as liquid static conditioners. This product may also be used to clean the field surface as well as decontaminate surrounding surfaces, such as benches, equipment, and other items.

HOW TO USE:

Dilute FieldTurf Scrub as follows in warm or cold water and apply with a spray bottle, hand-sprayer, back-pack sprayer for small areas or an industrial Boom Sprayer for full field application. If possible, the area should be brushed and rinsed with clean water.

Suggested application rate of 1:40 will require 4 liters (1 US Gallon) to cover 10,000 square feet.

- Heavy dirt, grease, oil, hydraulic fluids, bodily fluids - 1:4
- Sport drinks, carbonated beverages, etc. - 1:20
- General purpose cleaning - 1:40

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



1 L



4 L



20 L pail



205 L

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 or powder form and is safe for applications on FieldTurf surfaces without affecting the color and appearance of your FieldTurf field.

HOW TO USE:

Apply either with hand sprayer for smaller areas, or with an industrial Boom Sprayer for full field use. Allow to dry. The suggested application rate is 850 to 1000 sq. ft. per gallon. Reapply as necessary to maintain desired level of protection. 1 liter will make 22 US Gallons and will cover approximately 20,000 square feet. 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.



1L

FIELDTURF GUM REMOVER

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



Always wear chemical resistant gloves when applying FieldTurf Gum Remover

HOW TO USE:

STEP 1:

Using a 2.5 - 3 inch wide metal putty knife, isolate the gum with the attached turf fibers by placing the end of the knife at the base of the affected fiber at a 45 degree angle. Push the gum onto the knife.

STEP 2:

Saturate a small area of a clean white terry rag with FGR and apply to the gum resting on the knife surface. Let the solvent penetrate for 1 to 2 minutes to soften the gum, leaving the rag in place. **DO NOT POUR FGR DIRECTLY ON THE GUM, AS THIS MAY DAMAGE THE INFILL AND AFFECT THE BACKING.**

STEP 3:

Holding the knife firmly (taking care not to cut the fibers), gently rub the gum up the putty knife surface towards the handle. This will remove the gum from the FieldTurf surface.

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 contact our FieldTurf Customer Service Department at 1-800-724-2969 or at service@fieldturf.com



1L

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

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.

SPRAY TIP	
415/417	For painting logos and large end zone areas with handheld wand
315/317	For painting 4" lines with airless sprayer lining equipment

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.

LIFE EXPECTANCY	OPEN	UNOPENED
Paint	Up to 6 months with lid properly replaced	At least 6 months
Remover	Up to 6 months with lid properly replaced	At least 12 months



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 2x4x8 or 4x6x8 lumber.
- Remove the snow shoes from the plow. Then fit a 2x4x8 or a 4x6x8 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 through 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.



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.



Generally, the components that make up the FieldTurf system themselves don't freeze, but of course the moisture that seeps into the Infill does. This creates good conditions that allow you to plow it without moving, or removing, much Infill. The temperature will usually be just below freezing, early morning, late afternoon or early evening.

Infill tends to stick to the snow when temperatures are above freezing and Infill is not so easy to add to mature fields and can be costly to add, period, so please be aware of these conditions. Ideally, if the weather then goes above freezing the snow and moisture that's left will melt through on its own, especially when sunny.

Typically, the load bearing capacity of the FieldTurf system and sub-base (this should be verified with the Base Contractor) can withstand pressure up to 70 psi. Factors to consider are always if the weather goes above freezing and both the FieldTurf and base are starting to thaw and are wet, then the PSI is affected by these changes in atmospheric conditions, no different than a natural grass surface.

Page 21 of the Guidelines; shows a Direction of Operation for Grooming Equipment, from sideline to sideline as opposed to the length of the field. This is also recommended for snow removal, if possible. If space restrictions prevent you from doing so then a direction Up and Down the field is acceptable, as long as you are not scraping the surface 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 thorough snow removal across the surface.

If there is only a small crust of Ice on the top of the surface, many have successfully used the Rotating Tines on the GroomRight (Page 18) to break up the Ice, however, some extra weight might be required on the unit.

Even recommended de-icers should always be tested off the main field of play, to insure the safety of the surface and the lack of residue left behind.

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.

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 $\frac{3}{4}$ " 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.
- **Important:** Do not leave vehicles idling or unattended. Heat generated by the exhaust could singe fibers.

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
- 4 – Please contact customer service for any hard copies needed.

FieldTurf ARMOUR

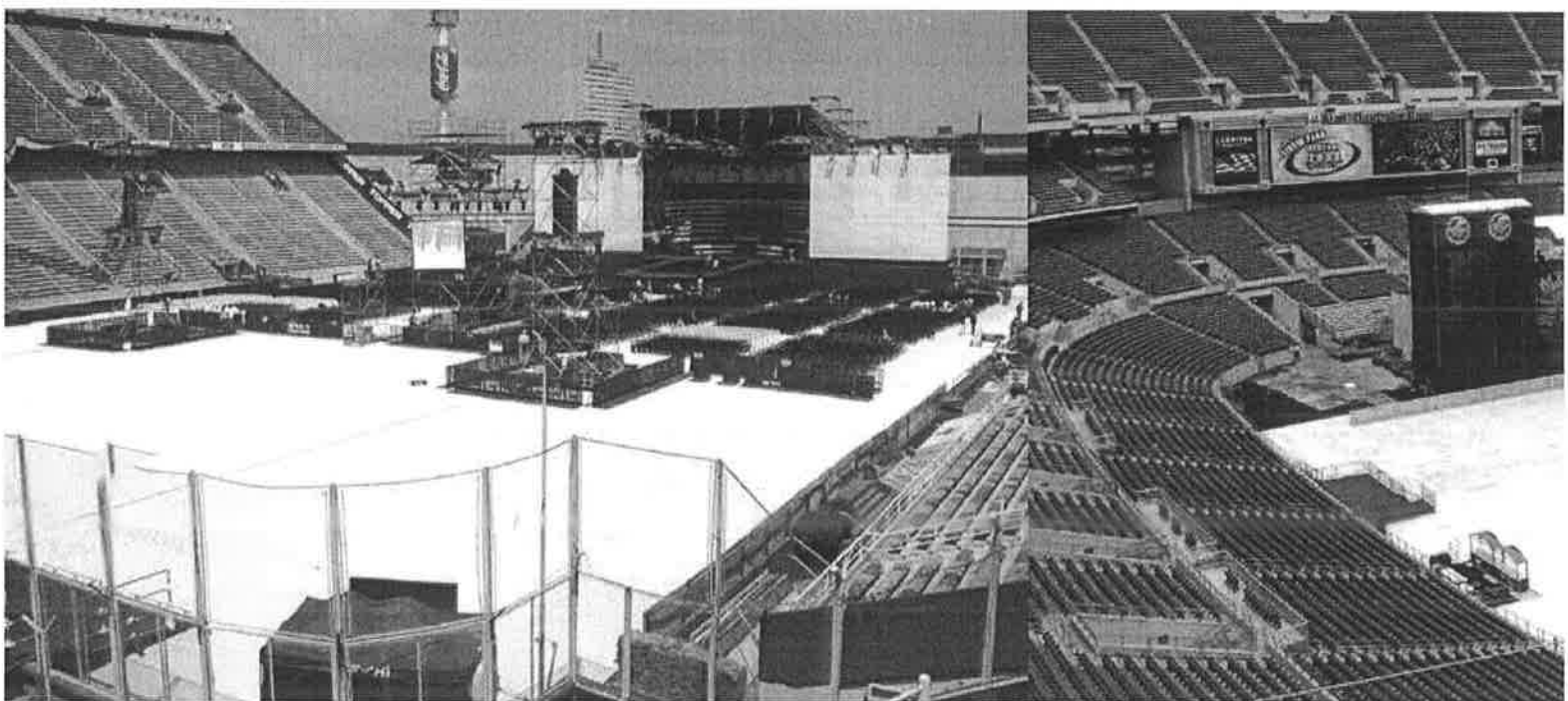
TRUST YOUR FIELD TO FIELDTURF ARMOUR THE WORLD'S BEST TURF PROTECTION SYSTEM

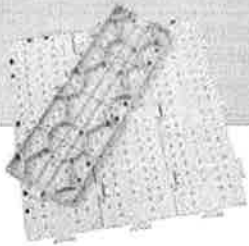
FieldTurf Armour turf protection systems are in use worldwide at prestigious arenas and stadiums and have proven themselves through extensive use. Whether you are having a large concert or a small on-field gathering, FieldTurf Armour will protect your turf against damage and keep your visitors safe and comfortable.

Increase revenue and flexibility and open your building to trade shows, concerts, corporate events, graduations and anything else you can conceive of. We have the experience, the expertise and the range of products to satisfy nearly any flooring requirement.

You can install chairs, staging and other equipment without damage. Drive forklifts, move carts and place equipment easily on artificial turf, running tracks and other sensitive surfaces.

All of our systems are interlocking, modular, expandable, and allow for unique configurations and customized layouts. FieldTurf Armour is easy to install, dismantle and store. Sections can be installed quickly and are designed for regular and repeated use.

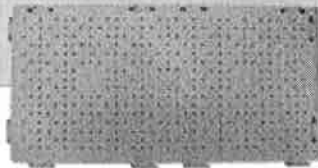




FIELDTURF ARMOUR GP

General Purpose Turf Protection

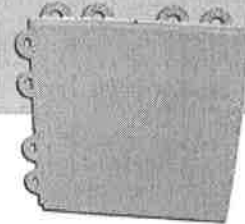
- Tile size: 4" x 12" x 3/4"
- Module Size: 36" x 48" x 3/4"
- Weight: 0.81 lbs per sq ft
- Supports: 8,000 lbs per sq ft
- Suitable for guest areas, chairs and light equipment
- Does not require tools - snap connection system
- Expansion joint modules to control expansion issues outdoors
- Transition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



FIELDTURF ARMOUR MD

Medium-Duty Turf Protection

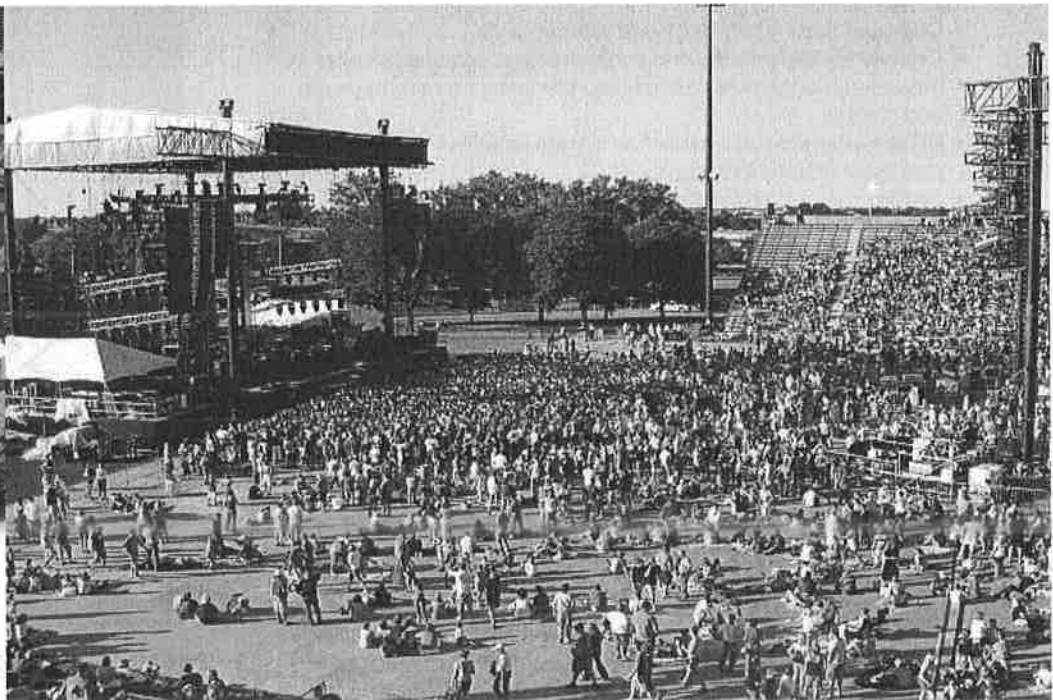
- Tile Size: 12" x 24" x 1-1/8"
- Module Size: 36" x 48" x 1-1/8"
- Weight: 1.44 lbs per sq ft
- Supports: 20,000 lbs per sq ft
- Suitable for guest areas, chairs, equipment and staging areas
- Does not require tools - snap connection system
- Expansion joint modules to control expansion issues outdoors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



FIELDTURF ARMOUR HU

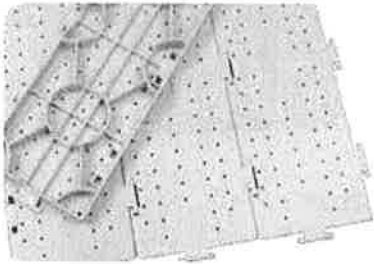
Heavy-Use Turf Protection & Portable Roadway

- Module size: 42" x 42" x 2"
- Weight: 2.45 lbs per sq ft
- Supports: 25,000 lbs per 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



FIELDTURF ARMOUR GP

FieldTurf ARMOUR
GENERAL PURPOSE PROTECTION



FieldTurf Armour GP was designed specifically for all types of synthetic turf and offers a greater level of protection against debris, liquids and dirt.

Designed to minimize wear and damage to your turf, FieldTurf Armour GP protects against surface abrasion, surface and base compaction and contamination of the turf and the infill as a result of attendee traffic.

Underside channels are contoured to eliminate sharp edges and prevent shifting of infill and of the flooring. After your event is over, simply brush your synthetic grass back into shape. Unlike older systems, it will be nearly impossible to see any distinguishable pattern in the turf.

FIELDTURF ARMOUR GP DEPLOYS RAPIDLY IN ANY STADIUM

- Designed to be easily deployed without tools
- Completely expandable and configurable as required on-site
- Pre-assembled sections are packed efficiently for easy transport and storage
- Unique inter-module connection system enables tiles to snap into place in both directions
- System contours to the field as needed to accommodate surface imperfections
- An 80,000 sq/ft (7,432 sqm) stadium can be deployed in 5-6 hours with about 20 people
- Expansion joints make installation even easier

FIELDTURF ARMOUR GP IS MADE USING THE HIGHEST QUALITY MATERIALS

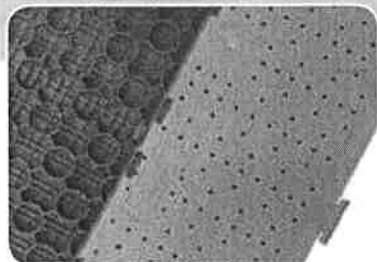
- High quality co-polymer plastic has izod impact value
- Specific no-break characteristics
- 5-year UV package prevents brittleness
- High ethylene content provides flexure and prevents cracking
- Connector tabs are designed with flexure to prevent breakage

As a result of our quality material formulation, FieldTurf Armour GP is able to resist the rigors of regular use and will not break, crack, fade or become brittle. It has proven itself worldwide in all climates and conditions.



FIELDTURF ARMOUR MD

FieldTurf ARMOUR
MEDIUM-DUTY PROTECTION



Designed to offer a greater level of protection, rigidity and weight-loading capability than our GP system, FieldTurf Armour MD is perfect for large areas that require additional support for vehicles, staging and equipment.

Designed to minimize wear and damage to your turf, FieldTurf Armour MD protects against surface abrasion, surface and base compaction and contamination of the turf and the infill as a result of attendee traffic.

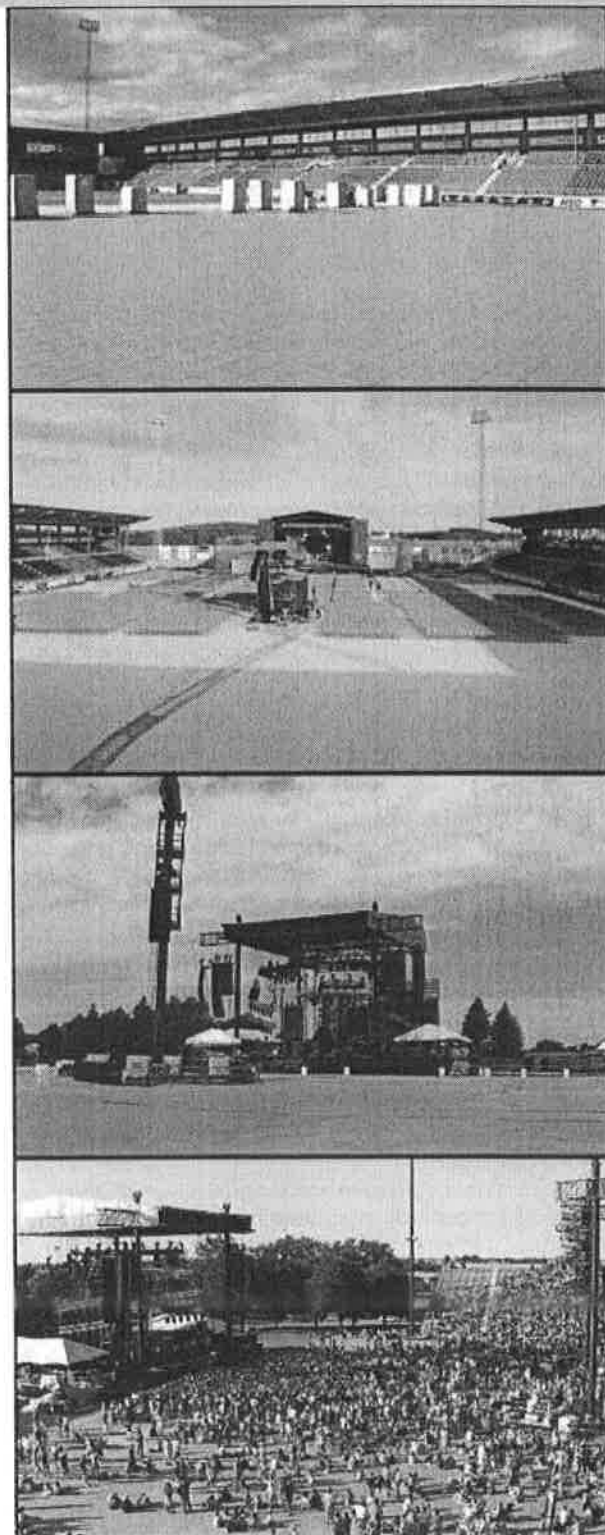
Underside channels are contoured to eliminate sharp edges and prevent shifting of infill and of the flooring. After your event is over, simply brush your synthetic grass back into shape. Unlike older systems, it will be nearly impossible to see any distinguishable pattern in the turf.

FIELDTURF ARMOUR MD DEPLOYS RAPIDLY IN ANY STADIUM

- An 80,000 sq/ft (7,432 sqm) stadium field surface can be deployed in 6 hours with about 15 people
- Quick turnarounds minimize the impact to the grass surface
- Pre-assembled 3' x 4' panels make storage and installation efficient
- Designed to be easily installed without the use of tools
- Completely expandable and may be configured as required on-site
- Transported and stored on standard shipping pallets for efficiency
- Robust connection system enables tiles to snap together in both directions
- System contours to the field as needed to accommodate "crowned" fields and other surface imperfections
- Robust enough to handle heavy weights, equipment, and traffic
- Flexible joints prevent breakage
- Integrated bi-directional cable

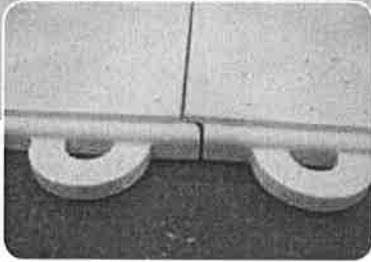
FIELDTURF ARMOUR MD IS MADE USING THE HIGHEST QUALITY MATERIALS

- High quality co-polymer plastic has high izod impact value
- Specific no-break characteristics
- Built-in 5 year UV package prevents brittleness
- High ethylene content provides flexure and prevents cracking
- Connector tabs are specially designed with flexure to prevent breakage



FIELDTURF ARMOUR HU

FieldTurf ARMOUR
HEAVY USE PROTECTION



Our premium turf protection system is designed to handle heavy loads and to provide the ultimate in stability and ground protection. It is the most advanced engineered stadium flooring system on the market today and offers superior protection for all types of surfaces and infills.

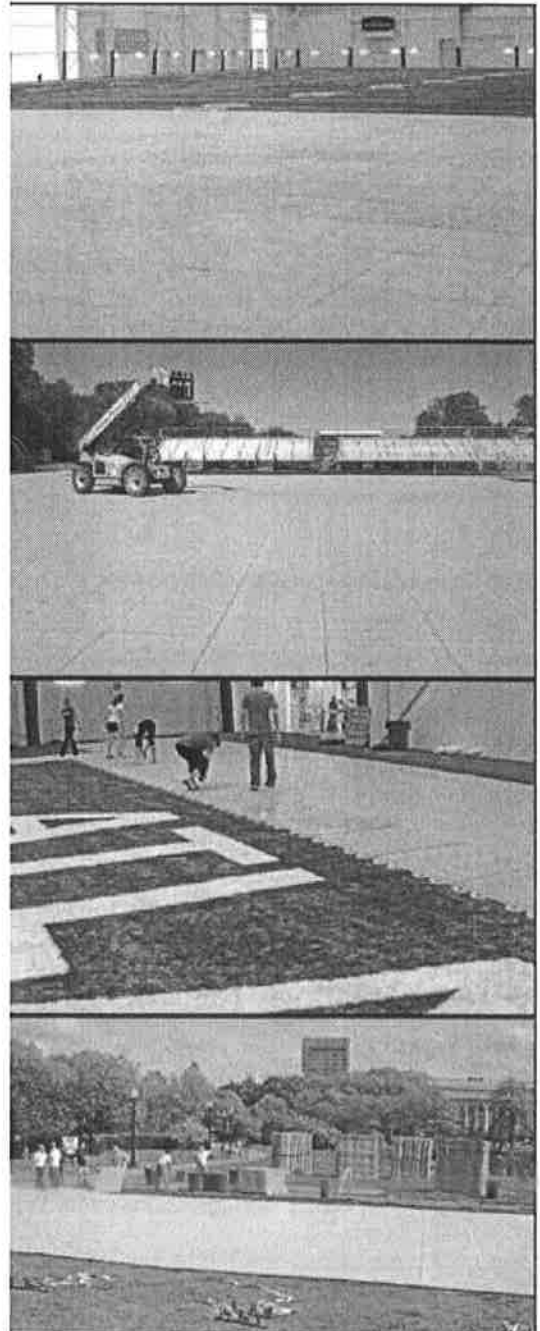
FieldTurf Armour HU is a large panel system that features an integrated connection system, a durable aluminum cam lock system and unsurpassed liquid spill protection. Each section has a useable surface area of 42" x 42" and is 2 inches thick, thus providing maximum rigidity and surface protection. Sections connect more quickly than other stadium flooring systems - thus minimizing labor and installation time.

FieldTurf Armour HU tile overlap, incorporates a liquid capture channel which prevents unwanted liquids from flowing through the seam to the protected surface.

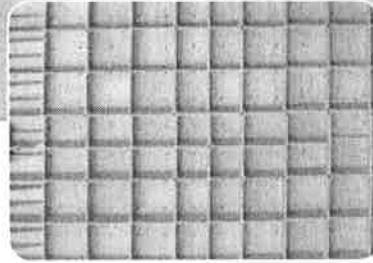
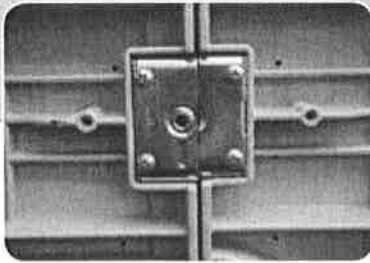
FieldTurf Armour HU offers greater protection against moisture and debris. All underside ribbing features a radius edge that eliminates any sharp edges and provides additional peace of mind when transporting heavier payloads over the floor.

FIELDTURF ARMOUR HU IS DESIGNED TO HANDLE HEAVY WEIGHTS

- Handles heavy weights from vehicles, forklifts, and other moving loads
- Ideal choice for both front of house and backstage areas
- Aluminum cam lock system is stronger than any other cam lock systems
- Provides superior life span and long-term durability
- FieldTurf Armour HU's integrated hook and loop system provides additional torsional stability and strength



FieldTurf **ARMOUR**

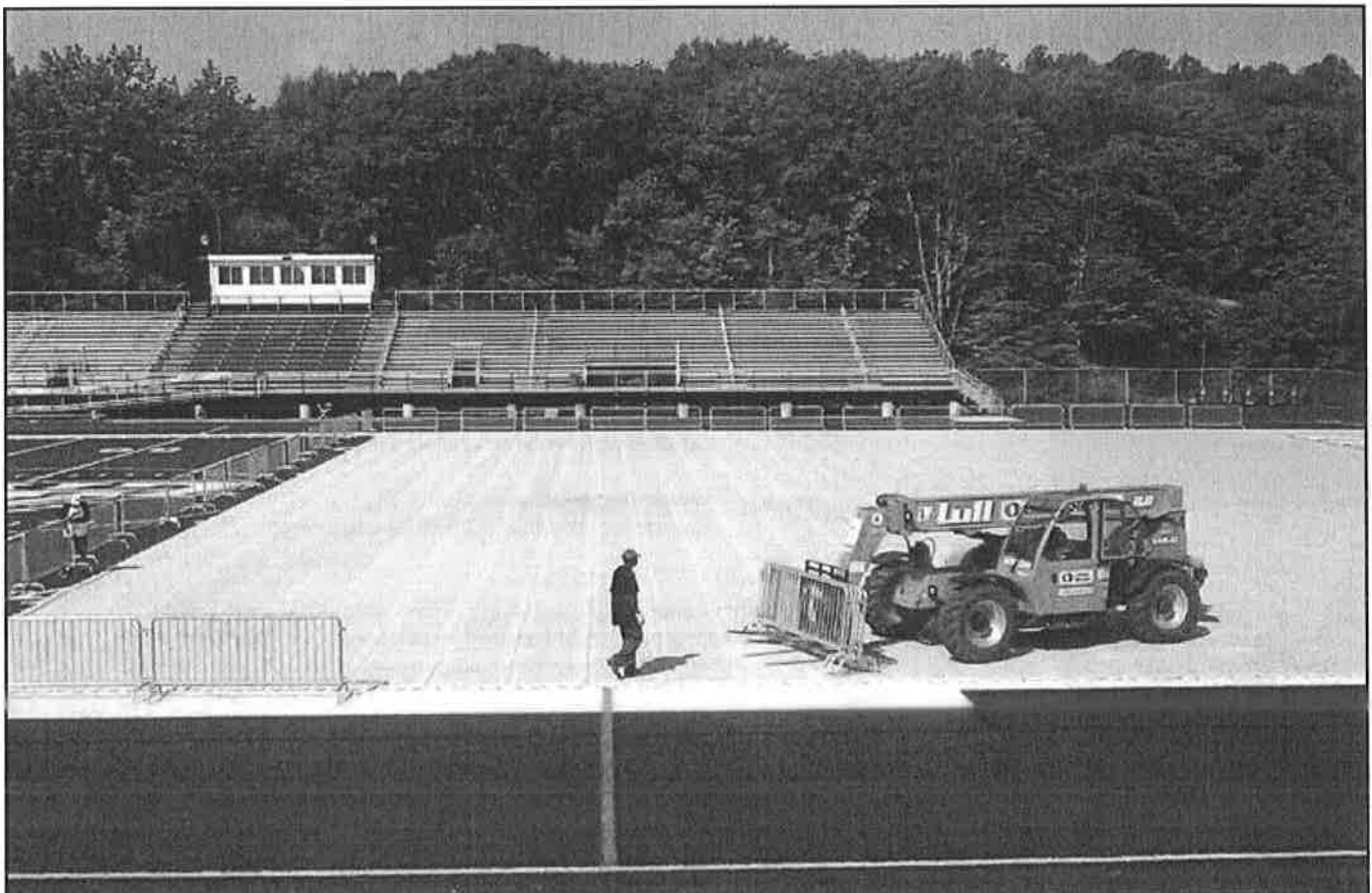


FIELDTURF ARMOUR HU IS MANUFACTURED USING THE HIGHEST QUALITY MATERIALS.

- Made from the finest High Density Plastic (HDPE)
- Reinforced with additives for added strength, flex modulus, and izod impact value.
- Built in 5-year UV package prevents degradation and brittleness.
- Our cam locks are manufactured in aluminum (others are made of plastic), providing considerable increased strength.

FIELDTURF ARMOUR HU IS THE MOST COMPREHENSIVELY ENGINEERED SYSTEM, DESIGNED TO HANDLE THE RIGORS OF CONCERT AND STADIUM USE.

- FieldTurf Armour HU is the lowest maintenance heavy duty system available.
- Attractive anti-slip sandblast finish is easy to clean.
- No unsightly patterns to catch dirt.
- No submerged channels to trap food or debris.





FieldCare by FieldTurf

The proper maintenance of your FieldTurf surface will not only keep your field looking and playing its best, but can extend the lifespan of your field. As a result, we've developed a specialized program called **FieldCare**, which is designed to supplement your standard maintenance.

FieldTurf fields have been in the ground for over 18 years of consistent play, season after season. The two main reasons for this long-lasting performance are the product's built-in durability features and continuous proper maintenance. **FieldCare** is designed to help your field perform at its optimal level for even longer.

You bought the best – so why not let the experts ensure a long-lasting investment? FieldTurf's **FieldCare** Maintenance Program will add to your field's life resulting in consistent high performance and very significant cost savings. Consult with your new **FieldCare** Service Manager to select a **FieldCare** program appropriate to your field.

A FieldTurf technician performs a thorough Field Inspection before and after every maintenance session and provides a Field Summary Report upon completion.

Currently there are over 500 satisfied customers taking advantage of the FieldCare program. Don't just take it from us...



"Villanova athletics has been extremely satisfied with the professionalism and the expertise of your FieldCare technicians. I imagine Villanova is one of the more difficult Athletic Departments to work with based mainly on the fact that our field is constantly in use. We have always been satisfied with FieldTurf and our FieldCare program."

Chuck Young - Villanova University,
Coordinator of Athletic Facilities and Events

A high-tech field requires a high-tech analysis by a specialized crew, trained specifically for the maintenance of FieldTurf installations. Our **FieldCare** teams work on FieldTurf fields exclusively. We make the best fields and train the best maintainers to look after them. It cannot be done any other way. You should not trust anyone other than FieldTurf for direction on properly servicing your FieldTurf field. **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.

Maintenance Summary Report

NAME OF FIELD/SITE:

Time of Arrival: _____ Time of Departure: _____ Service Visit Date: _____
 Contact Name: _____ Classification of Service: _____
 Phone #: _____ Site Address: _____
 Billing Address: _____ Field Square Footage: _____
 GMAX: Y _____ N _____ Primary Sports: _____
 Service Provider/Technicians: _____ Field Fiber Type: _____
 Fiber Height: _____ Install Date: _____
 Report Submitted by: _____ Date of Last FC Service Session: _____
(If no date: Please write "NEW FC Customer")

PRE-FIELD INSPECTION NOTES BY TECHNICIAN (FROM WALKTHROUGH):

MAINTENANCE SERVICES PROVIDED:

☐ STANDARD CARE ☐ ADVANCED CARE ☐ OTHER _____

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Aggressive Brushing / Leveling | <input type="checkbox"/> General Field Sweeping | <input type="checkbox"/> Gmax Testing | <input type="checkbox"/> Standard Infill Decomposition
<small>(Not to exceed 1 inch depth)</small> |
| <input type="checkbox"/> Static Brush | <input type="checkbox"/> Field Metal Magnet Sweep | <input type="checkbox"/> Anti-Microbial Spray | <input type="checkbox"/> Tier 2 Decomposition
<small>(Deep Tine Decomposition)</small> |
| <input type="checkbox"/> Power Static Brushing | <input type="checkbox"/> Static Drag Mat | <input type="checkbox"/> Anti-Static Spray | <input type="checkbox"/> Infill Cleaning / Sifting / Fiber
Rejuvenation |
| <input type="checkbox"/> Power Brush & Vac | <input type="checkbox"/> 3 Step Deep Power Broom | <input type="checkbox"/> Refill Infill in High Traffic Areas
<small>(Refill not to exceed 250 lbs.
Additional rubber is a billable repair).</small> | |
| <input type="checkbox"/> 3-Step Power Grooming
<small>(Only advanced care)</small> | <input type="checkbox"/> Power Broom
<small>(Perimeter edges & specialty areas)</small> | <input type="checkbox"/> Total Vegetation Control
<small>(Perimeter edge only)</small> | |

Post Maintenance Field Inspection: Inlays/Seams/Field Markings

Number of repairs pre-inspection: _____ Post-inspection: _____
 Qty: # of total repairs: _____ Estimated # of linear feet repaired: _____
 Picture Submission: ☐

Warranty Billable

Minor inlay and/or seam repairs conducted: ☐ ☐
 Turf Replacement: ☐ ☐

FIELD INSPECTION:

- | | |
|--|---|
| <input type="checkbox"/> 1. Logo Analysis | <input type="checkbox"/> 5. UV Fade Inspection |
| <input type="checkbox"/> 2. Seam Separation Analysis | <input type="checkbox"/> 6. Infill - Consistency in Depth |
| <input type="checkbox"/> 3. Perimeter Anchoring | <input type="checkbox"/> 7. Infill - Migration Analysis |
| <input type="checkbox"/> 4. Excessive Wear Analysis | <input type="checkbox"/> 8. Inlaid Line Analysis |

POST MAINTENANCE TECHNICIAN NOTES:

INFILL LEVELS CHECKED PRE MAINTENANCE:

Description 1 2 3 4 5 6 7 8 9 10 AVERAGE

Infill Level:

Additional Testing: Time of Day: _____

(ASTM Locations Using Primary Sport)

INFILL LEVELS CHECKED POST MAINTENANCE:

Description 1 2 3 4 5 6 7 8 9 10 AVERAGE

Infill Level:

Additional Testing: Time of Day: _____

(ASTM Locations Using Primary Sport)

Reviewed by FieldTurf Personnel: _____ Date: _____

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) Zep Heavy Duty Citrus Degreaser

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 fibers, 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 and 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 and also risk leaving a residue that has to be taken off with a gum remover or are too flimsy and risk being a tripping 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.

CAN WE HOLD GRADUATION CEREMONIES ON OUR FIELD?

Yes, though it is always preferable to cover the surface as shown on pages 28-33, it is possible to hold this event without covering the main area of the field itself.

Though post chairs will generally not damage the surface, they do tend to sink a bit and therefore cause the unevenness, which is more uncomfortable than anything else. A quick test will show you the end result. However, if post chairs are used without a field covering, those equipped with rubber stoppers are a must. The chairs should only create small "divot" holes that generally disappear when the field is groomed after the event, again testing the end results off the main field of play is always recommended.

Chairs with "full contact to the surface" are ideal, if available.

Though no damage will likely occur, ladies will find high heels very difficult to walk in. If the surface is dry you will see many patrons with shoes in their hands. Many have recommended that the ladies either wear/or bring "flats" for their own comfort. Another option would be to cover the aisles with a recommended covering or plywood, then conventional carpeting over the top.

It will be imperative to cover the area under the staging. Either a recommended covering (i.e. FieldTurf Armour), an equivalent protection or with 4' X 8' (3/4") plywood sheets (doubled or tripled under the stage footings). The thickness used will depend on the PSI that exceeds the allowable 70 psi, as indicated in the "Vehicle Circulation" guidelines (Page 27). A tarp or plastic covering underneath should be used to avoid splinters getting into the grass.

The FieldTurf warranty covers the components and installation of your FieldTurf product. Though all efforts are made to provide appropriate directives for the staging of events other than the sporting activities set out in the warranty; the responsibility remains on the owner for any mishaps or damages that might occur, however no breach in warranty exists with the staging of such events.

A thorough grooming is recommended after the event.

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, however, 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 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, 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 unfilled 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 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 a breach of your warranty, FieldTurf cannot be responsible for any damage caused by the use of any such training equipment.

Since many manufacturers have developed or modified their Equipment specifically for synthetic systems, it is suggested that they be consulted for their recommendations and guidelines before use.

Our research has yielded some recommended guidelines which include:

- To make use of sleds and various training devices off the main field of play, such as D zones, end zones (if no Inlaid logos appear) and areas away from 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, it is suggested that it be across the field in the directions that the panels were installed, as opposed to end to end against them.
- It is always recommended to remove the Equipment from the Field after each use.

The same recommendations would apply to the use of "Tire Flipping" as a training aid. Moreover a few specific recommendations would be:

- To make sure that the tires are clean, any dirt will likely get transferred to the turf and Infill.

It is not recommended to use the tires as a "Resistance" tool, by dragging them across the turf. Preliminary research has shown that the friction could possibly damage or even pull out some of the polyethylene fibers.

As in other higher use areas on the field, grooming frequencies might have to be augmented to Groom both the Infill and the fibers.

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, however, it 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 is 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.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MAINTENANCE GUIDELINES



Information

7445 Côte-de-Liesse Road, Suite 200

Montreal, Quebec

Canada H4T 1G2

Tel. (800) 724-2969 Fax. (514) 340-9374

info@fieldturf.com www.fieldturf.com



FieldTurf[®]

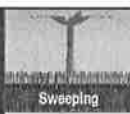
A Tarkett Sports Company

THE ULTIMATE
SURFACE EXPERIENCE



1-800-724-2969
info@fieldturf.com
fieldturf.com

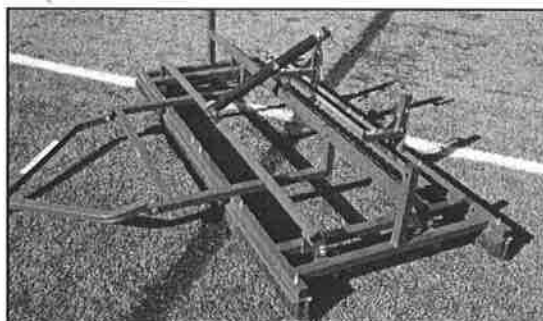
Maintenance Equipment



FieldTurf SweepRight

Mechanically driven unit is designed to remove larger fallen debris from FieldTurf surface.

\$1,750



FieldTurf Static Brush

7' static drag brush and spring tine system. Designed to lift synthetic fibers and level infill material. Brush height and spring tines are independently adjustable.

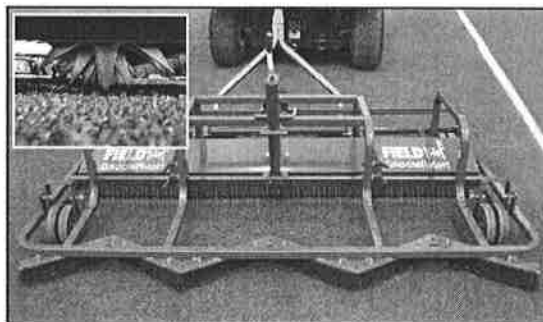
\$3,750



FieldTurf SweepRight Pro

Gear driven sweeping system with 6' brush and vibrating debris hopper to sift infill material.

\$4,800

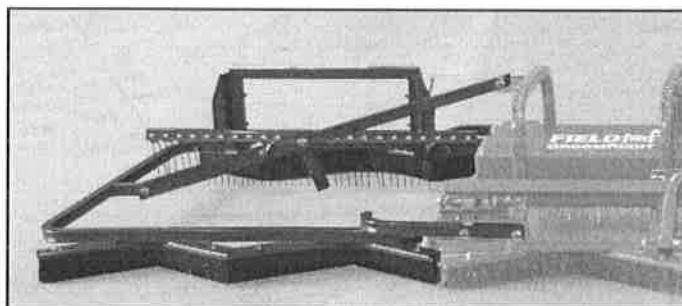


FieldTurf GroomRight

Unit used to level off infill and raise fibers for better field playability. Central rotating tines designed to loosen infill.

\$5,000

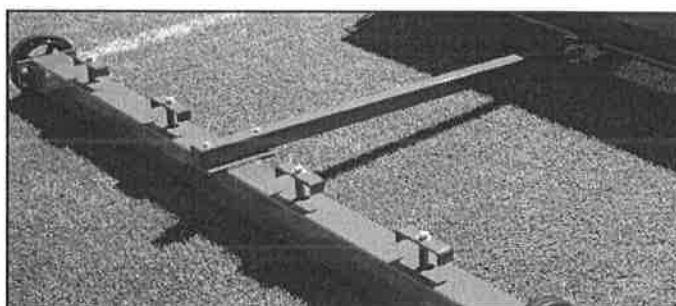
Accessories



FieldTurf GroomRight Wings

Removable and adjustable brush extensions extend the unit to 14 feet in order to level off infill and raise fibers for better field playability.

\$1,750



FieldTurf Tow Behind Magnet

- 7' tow behind magnet
- Detachable tow hitch
- Works independently or as an attachment for the SweepRight Pro or GroomRight.
- Quick release pull handle for debris removal

\$995

Maintenance Products



FieldTurf SCRUB



12 x 1L - **\$77.99**



4 x 4L - **\$63.99**



20L Pail - **\$62.99**



205L - **\$493.99**

FieldTurf GUM REMOVER



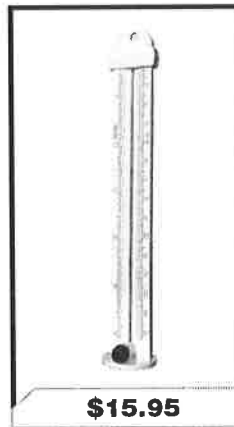
1L - **\$24.99**
12 x 1L - **\$249.99**

FieldTurf ANTI-STATIC



1L - **\$64.99**

Depth Gauge



\$15.95

Turf Bond



10 oz Tube - **\$16.95**

Turf Bond Kit



4 x 10oz Tubes & 40' Seaming Tape - **\$74.95**

Emergency Repair Kit



\$295.00

Great Falls Public Schools
Mr. Brian Patrick, Director of Business Operations
1100 4th Street South
P.O. Box 2429
Great Falls, MT 59403

FieldTurf USA, Inc.
175 N Industrial Blvd NE
Calhoun Georgia 30701
United States
Tel: +1 706 383 5852

REF. Great Falls Public School

April 3, 2017

SUBJECT 6. Product & EPDM Certification

To Whom It May Concern:

We hereby certify that the product that we will supply for this project, our FieldTurf Slit Film 2.25" with EPDM (XTHD-57), will meet or exceed the performance requirements outlined in the project specifications.

If you have any questions, please do not hesitate in contacting us toll free at 1-800-724-2969

Regards,

Sara Marinelli
Project Manager

Sara.Marinelli@fieldturf.com
FieldTurf USA, Inc.



Manufacturer's Limited Warranty

FieldTurf warrants that if **FieldTurf** XTHD-57 Product) for multi-sport use synthetic turf proves to be defective in material or installation workmanship, UV degradation, resulting in premature wear, during normal and ordinary use of the Product for the sporting activities provided herein or for any other uses for which FieldTurf provides its written authorization, within eight (8) years from the date of completion of installation (as indicated in this Warranty), FieldTurf shall either repair or replace the affected area of the Product in accordance with the terms of this Warranty. FieldTurf's sole liability under this Warranty shall be limited to either repair or replacement of the affected area of the Product, at its sole discretion, and FieldTurf shall have no other obligations or liabilities with respect to defects of the Product. FieldTurf will, at FieldTurf's option, either repair or replace the affected area to the extent required to meet the Warranty period, but no cash refunds will be made. **FieldTurf** warrants that all materials installed meet or exceed the product specifications and further warrants that replacement material will be available through the Warranty period. **FieldTurf** will verify that their representative has inspected the installation and that the work conforms to **FieldTurf's** requirements and further warrants that the installation was done in accordance with both **FieldTurf's** recommendations and any written directives of FieldTurf's representative. This Warranty shall commence upon the date of completion indicated in this Warranty. The accompanying Warranty service will not come into effect unless and until FieldTurf's Certificate of Completion is sent for validation to the corporate office of FieldTurf indicated herein within thirty (30) days of the date of completion or Purchaser's first use, whichever occurs first. In all cases, the Warranty shall be deemed to commence upon the date of completion indicated in this Warranty. The acceptance form of the terms and conditions contained in FieldTurf's Maintenance Guidelines must also be provided to FieldTurf's corporate office within thirty (30) days of completion of installation. **FieldTurf** warrants that the G-max to maintain a value of below 135 at installation and no greater than 185 for the life of the warranty, as per ASTM 1936 and F-355 standards, providing that the customer has performed the regular maintenance as outlined in the maintenance guidelines. This Warranty is limited to the remedies of repair or replacement, which shall constitute the exclusive remedies available under this Warranty; all other remedies or recourse which might otherwise be available are hereby waived by the Purchaser. FieldTurf will have no other obligations or liability for damages arising out of or in connection with the use or performance of the Product, including, without limitation, damages for personal injury and/or economic losses. This Warranty shall not come into effect, and FieldTurf shall have no obligations under this Warranty, unless and until FieldTurf is paid in full for the Product to be warranted hereunder.

Field Markings: Football, Soccer

Other Exclusions

EXCEPT AS EXPRESSLY SET FORTH IN THE MANUFACTURER'S LIMITED WARRANTY ABOVE, FIELDTURF DISCLAIMS ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, IN FACT OR IN LAW, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY SHALL BECOME NULL AND VOID IF THE PURCHASER FAILS TO MAINTAIN THE FIELD IN ACCORDANCE WITH THE FIELDTURF MAINTENANCE GUIDELINES AND SCHEDULE PROVIDED BY FIELDTURF THEREIN. ALL MAINTENANCE SHALL BE PERFORMED BY FIELDTURF-TRAINED AND/OR FIELDTURF-AUTHORIZED MAINTENANCE PERSONNEL ONLY.

Furthermore, this Manufacturer's Limited Warranty **does not cover**:

1. Damage resulting from accident, *force majeure*, misuse, intentional and unintentional abuse, infill displacement, and neglect or from other than normal play and ordinary use of the Product. For purposes of this Warranty, normal play and ordinary use shall mean usage up to 3,000 hours per year of regular play and utilization for the sporting activities provided herein; normal play and ordinary use also includes a reasonable number of users or participants, but does not include repetitive marching, repetitive training or high-intensity drills on the same part of the field, especially in the areas of, but not limited to, home plate, pitcher's mound, base areas, base paths, soccer penalty mark/spot areas, goal areas, sideline areas and lacrosse crease areas, all of which require frequent maintenance in accordance with FieldTurf Maintenance Guidelines and may require regular replacement.

This warranty is insured by a third party.

For more information please contact Customer Service at FieldTurf at the number listed below.
7445 Côte-de-Liesse Road Suite 200, Montreal, QC, Canada H4T 1G2 • Toll Free: 1-800-724-2969 •





Manufacturer's Limited Warranty

2. Damage resulting from failure to maintain the Product in accordance with FieldTurf's Maintenance Guidelines provided to the Purchaser. The Purchaser shall keep a log of all maintenance performed on the Product and supply FieldTurf with a copy upon request.
3. Damage resulting from repair, attempted repair and/or maintenance by anyone other than FieldTurf or an authorized FieldTurf distributor or authorized FieldTurf maintainer.
4. Damage due to causes which include, but are not limited to, the application of chemicals and/or cleaning agents, adhesive backing, dirt, traffic, negligence, vandalism, fire, flood, windstorm, animals, improper care and Acts of God.
5. Failure and/or improper design of the base; depression of the soil, subsurface or other matter upon which the base or Product rests; and any and all resulting damage to the Product arising therefrom.
6. FieldTurf does not warrant the percolation rate, long term planarity and/or compaction of the base which the product is installed. **FIELDTURF DISCLAIMS ALL WARRANTIES AS TO THE BASE, EXPRESS OR IMPLIED, AND ANY AND ALL RESULTING DAMAGE TO THE PRODUCT ARISING THEREFROM.**
7. Damage resulting from the use of improper footwear such as long-spiked track shoes, regular and repeated use of steel cleats, and flat-soled shoes. Standard molded soccer or football cleats are recommended.

All synthetic turf is subject to normal wear and tear, which is not a manufacturing defect and is not covered by this Warranty. In addition to the other factors listed in this Warranty, wear and tear depends on, without limitation, the construction of synthetic turf (fiber face weight, stitch rate, fiber pile height and gauge, infill components and maintenance of the field) and the intensity of use of the synthetic turf. The Product will be stable to light fading with the maximum fading of the Product during the Warranty period not to exceed fifteen percent (15%) of color loss annually based upon an acceptable grey scale. This Warranty does not cover slight variations or gradations of color within the Product and/or face distortion. Normal behavior of the fiber and infill with respect to the wear pattern of a field can be found in the "Field Settling" document, provided in the FieldTurf after-sales service package.

FieldTurf disclaims all liability for incidental and consequential damages for breach of any express or implied warranty, including any implied warranty of merchantability, with respect to the Product. In the event that the Product is used for purposes other than the sporting activities provided herein or any other uses for which FieldTurf gives its written authorization, it being understood that FieldTurf has tested the Product for use in connection with these sporting activities and may not have tested it for other uses, FieldTurf shall not be responsible for any and all damages incurred and the Manufacturer's Limited Warranty, as well as all legal warranties, shall become null and void. Any Product repairs or replacements performed under the terms of this Warranty shall not extend the term of this Warranty.

Name of Purchaser: **Great Falls Public Schools**

Date of completion:

Sporting Activities:

Multi-Sport use

Location:

Greater Falls Public Schools

Installed by:

FieldTurf USA Inc.

Address:

1100 4th Street South

City:

Great Falls

State:

Montana

Zip:

59403

Tel:

Fax:

Signature:

(Please Print
Name)

Darren Gill

Date:

April 3, 2017

Reference:

This warranty is insured by a third party.

For more information please contact Customer Service at FieldTurf at the number listed below.

7445 Côte-de-Liesse Road Suite 200, Montreal, QC, Canada H4T 1G2 • Toll Free: 1-800-724-2969 •





CERTIFICATE OF LIABILITY INSURANCE

Page 1 of 2

DATE (MM/DD/YYYY)
04/29/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	Willis of Pennsylvania, Inc. c/o 26 Century Blvd. P. O. Box 305191 Nashville, TN 37230-5191	CONTACT NAME:	
		PHONE (A/C, NO, EXT):	877-945-7378
		FAX (A/C, NO):	888-467-2378
		E-MAIL ADDRESS:	certificates@willis.com
		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A: X L Insurance Company, Ltd.	F6825-001
INSURED	Fieldturf USA, Inc. 175 N Industrial Blvd N.E. Calhoun, GA 30701	INSURER B: Indian Harbor Insurance Company	36940-001
		INSURER C:	
		INSURER D:	
		INSURER E:	
		INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 24365071

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR	TYPE OF INSURANCE	ADDL	SUBR	POLICY NUMBER	POLICY EFF	POLICY EXP	LIMITS
1 TB		INSR	WVD		(MM/DD/YYYY)	(MM/DD/YYYY)	
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$			FR00005577LI16A	5/1/2016	5/1/2017	EACH OCCURRENCE \$ 20,000,000 AGGREGATE \$ 20,000,000 \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
B	Product Defect			US00011494LI16A	5/1/2016	5/1/2017	\$13,000,000 Each Defect Limit \$13,000,000 Aggregate Limit \$0 Deductible

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Project: (name of project)

Coverage: Subject to the applicable limits of insurance, we will reimburse the insured, to the extent of our participation share shown in the declarations, for correction expenses paid or incurred by such insured because an Insured product has a defect.

(continued on next page)

CERTIFICATE HOLDER

Sample

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Mr. Edward R. III

Coll:4892257 Tpl:2052281 Cert:24365071 © 1988-2014 ACORD CORPORATION. All rights reserved.

ACORD 25 (2014/01)

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ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Willis of Pennsylvania, Inc.		NAMED INSURED Fieldturf USA, Inc. 175 N Industrial Blvd N.E. Calhoun, GA 30701	
POLICY NUMBER See First Page		EFFECTIVE DATE: See First Page	
CARRIER See First Page	NAIC CODE		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

(continued)

WORLDWIDE COVERAGE TERRITORY:

Injury Period: 96 months (from the date of Validated Certificate of Completion for the Insured product having the defect)

CLAIM REPORTING PERIOD:

From: Date of Validated Certificate of Completion for the Insured Product having the defect

To: 8 years from the Date of Validated Certificate of Completion for the Insured Product having the defect

ADDITIONAL COVERAGE ALSO EXISTS AS PART OF A GLOBAL PROGRAM AS FOLLOWS:

Carrier: XL Insurance Co. Ltd.
 Policy Number: FR00005577LI16A
 Effective Date: 05/01/2016
 Expiration Date: 05/01/2017
 Limits: \$20,000,000 Limit for Dismantling and Reinstalling Costs, Per Claim

This coverage sits excess of the product defect policy.



McGRIFF, SEIBELS & WILLIAMS, INC.

INSURANCE & BONDS

January 27, 2017

**Re: Fieldturf USA, Inc.
Contractor Prequalification**

To Whom This May Concern:

Please be advised that Federal Insurance Company, a member of the Chubb Group of Insurance Companies, has had the privilege of bonding Fieldturf USA, Inc. since 2000. They are licensed and authorized to do business in all states. They have a Treasury Listing of \$1,186,080,000 and are rated A++ by A. M. Best with a Financial Size XV.

Federal Insurance Company has extended surety credit to Fieldturf in an aggregate amount of \$75,000,000, with a single job limit of \$10,000,000. However, these numbers do not represent the largest amount that the surety would consider. Fieldturf is completing all current projects in a satisfactory manner and has never defaulted on a project. Federal Insurance Company has never had to intervene in or complete any of Fieldturf USA, Inc.'s projects.

It is our understanding that Fieldturf USA, Inc. has or will be submitting a proposal to you for the referenced project. We anticipate no problem in providing, should they be awarded, a 100% Performance and Payment bond in the full amount of the proposal. As always, the surety reserves the right to perform normal underwriting at the time of any bond request, including without limitation to, prior review and approval of relevant contract terms and conditions, bond forms, appropriate contract funding and any other underwriting considerations at the time of the request. Our consideration and issuance of bonds is a matter solely between Fieldturf USA, Inc. and ourselves, and we assume no liability to third parties or to you by the issuance of this letter.

We appreciate having the opportunity to share with you our experience with this fine company and urge you to give them every consideration. Please contact me should you have any questions regarding this valued customer.

Sincerely,

Jeffrey M. Wilson
Senior Vice President - Surety
McGriff, Seibels & Williams, Inc.

2211 7th Avenue South / Birmingham, Alabama 35233
P. O. Box 10265 / Birmingham, Alabama 35202-0265
TEL: (205) 252-9871 FAX: (205) 581-9463
www.mcgriff.com



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FROM THE GROUND UP**