

# AstroTurf®

## MADE FOR MORE

MORE SUSTAINABILITY • MORE PERFORMANCE  
MORE DURABILITY • MORE SAFETY AND COMFORT



PROUD PARTNER OF MLB®

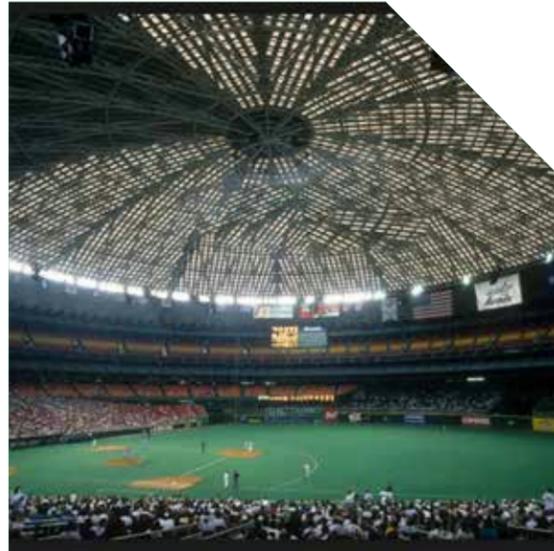
CHOSEN FOR  
12 OLYMPIC GAMES

5 STAR SYSTEMS FOR  
YOUR 5 STAR ATHLETES

OFFICIAL PARTNER OF  
LA GALAXY, CHICAGO FIRE,  
AND INTER MIAMI CF

[astroturf.com](http://astroturf.com)

About  
**ASTROTURF**



**ASTROTURF – IT'S ONE OF THE MOST ICONIC BRANDS IN SPORTS.**

AstroTurf borrows its name from the Houston Astrodome, which was first used in a professional sports venue over 60 years ago. The space race was in full swing. It was a time of palpable optimism. A certain belief that man could conquer the constraints of nature with ingenuity and forward-thinking progress pervaded. The Astrodome was built during this feverish pursuit of the impossible. It was the first domed stadium and a marvel of sports architecture.

**WHILE EVERYONE RECOGNIZES THE NAME, NOT EVERYONE KNOWS THE HISTORY!**

There was a major problem, though. The clear Lucite panels that comprised the dome created a glare. Astros outfielders and their opponents were blinded as they attempted – and failed – to catch pop-ups. The initial solution was to paint the ceiling to cut the glare. It worked, but another problem arose. Deprived of adequate sunlight, the grass died!

Meanwhile, Monsanto had just invented a brand-new product called “ChemGrass”. During the Korean War, the U.S. Army had found urban recruits to be less physically fit than rural recruits. Attributing this to lack of green space in cities, the Ford Foundation funded research for Monsanto to create a synthetic grass replica. The Astrodome brought Monsanto in to install ChemGrass. It was a great success, and Monsanto capitalized on the popularity of its high-profile installation to rebrand their grass replica. Thus the “AstroTurf” brand was born.

Over 60 years since AstroTurf was first installed in Houston, technology has rapidly improved. AstroTurf® has continued to drive innovation within the industry and these days, AstroTurf® products come ever closer to replicating the feel, performance, and safety of the gold standard – *natural grass*.

**sportgroup**  
THE SURFACE SPECIALISTS

**ASTROTURF CONTINUES TO BUILD ON ITS GOLDEN PAST AS PART OF SPORT GROUP!**

**ABOUT ASTROTURF® CORPORATION**

AstroTurf® Corporation is the original inventor and innovator of synthetic sports surfacing, leading the industry for 60 years. Known for pioneering surfacing solutions, AstroTurf® Corporation delivers cutting-edge products focused on performance, safety, and sustainability.

The company's portfolio includes AstroTurf® fields, the trusted name in synthetic turf; Rekortan® tracks, the benchmark for elite running surfaces; Laykold® courts, the premier choice for tennis and multi-sport court play; and SYNLawn®, the industry leader in residential and commercial landscaping solutions. These products are the original brands in their respective categories and set the standard for quality and innovation in sports and recreational surfacing.

AstroTurf® is dedicated to creating world-class sports and recreational environments that inspire athletes and elevate communities. For more information, visit [astroturf.com](http://astroturf.com).

**ABOUT SPORT GROUP**

Sport Group is a leading designer, manufacturer and installer of artificial surfaces serving the global sports flooring, leisure and landscaping and industrial markets to over 70 countries globally. Headquartered in Burgheim, Germany, the company's brand portfolio includes AstroTurf® (the iconic brand that invented the industry), Polytan®, SYNLawn®, LigaTurf®, Poligras®, Rekortan®, and Laykold®.

Sport Group is an industry leader in green technologies, pioneering sustainable products and services such as the world's first carbon neutral soccer turf, the world's first carbon zero field hockey turf and development of the industry's first, and only, turf recycling facility capable of recycling EPDM rubber.

The company has approximately 2,400 employees and operates nine vertically integrated manufacturing facilities and 31 distribution centers across the Americas, EMEA and Asia-Pacific regions. For additional information about Sport Group, please visit [sportgroup-holding.com](http://sportgroup-holding.com).

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About  
**SPORTGROUP**





**RESULTS-ORIENTED RESEARCH**

The unceasing focus on AstroTurf and Sport Group companies to push the industry to the next level has created numerous advances. Our clients now benefit from innovations found nowhere else, including:

**ROOTZONE:** RootZone, a texturized layer of fibers that draws down to encapsulate infill, results in minimal rubber splash, better shock absorbency, and less infill migration than basic systems. The RootZone improves safety, playability, and durability, making 3D systems the top choice for athletes and field owners. Importantly, independently funded research by Michigan State University has shown that RootZone reduces torque transmitted to lower extremities.

**PREFAB:** AstroTurf is the only company that provides prefabricated inlaying for football lines. With PreFab, we have trained installers inlay your field upside down from the back of the turf

(for more precision) using a jig system installed in the floor of our climate-controlled inlaying facility. Your field is delivered with about 90% of the hundreds of required inlays already assembled. This dramatically reduces callbacks, speeds up installation time, and allows our onsite installers to pay even closer attention to the finishing touches.

**TRIONIC™:** Fiber AstroTurf now offers the TRIONIC Plus fiber. This patent-pending development is a feat of chemical engineering never achieved in the history of our industry. TRIONIC Plus combines player-friendly PE with ultra-durable nylon to deliver the ultimate fiber.

**ENTANGLEMENT TECHNOLOGY:** To prevent splitting of the fiber, we cross and entangle molecular sidechains to reinforce any weak spots that would form between the main molecular chains that run the length of the fiber.

**ASTROTURF HAS NEVER RESTED ON ITS LAURELS. A QUEST TO BRING OUR SYSTEMS CLOSER TO THE PLAYABILITY OF NATURAL GRASS DRIVES US TO PLACE EXTENSIVE RELIANCE UPON INNOVATION AND RESEARCH. TODAY'S CUTTING EDGE IS TOMORROW'S DULL BLADE, SO THERE IS NO REST FOR OUR DILIGENT ENGINEERS.**

**INDEPENDENT TESTING & GLOBAL STANDARDS**

AstroTurf systems are validated through globally recognized, governing body approved independent laboratories, with extensive testing that goes far beyond the factory floor. From product development and pre-shipment evaluation to on-field performance verification, every component is measured against the highest standards for safety, durability, and playability.

The result is a surface trusted at every level of sport, engineered for consistent performance and built with athlete confidence in mind.

**UNIVERSITY OF TENNESSEE CENTER FOR ATHLETIC FIELD SAFETY**

This multi-million dollar investment by AstroTurf is a testament to the company's commitment to the industry and its clients. By building a state-of-the-art, multi-acre testing facility on the campus of the University of Tennessee and funding research to measure the performance and safety of synthetic and natural turf, AstroTurf has contributed more to the body of knowledge surrounding athletic fields than any other company in our industry. Outcomes and collaboration with the UT Center for Athletic Turf Research inform our product design.

**QUALITY CONTROL BUILT ON DECADES OF PERFORMANCE**

AstroTurf has spent decades setting the standard for synthetic turf performance, and that legacy is built into how our products are made today. In 2017, we opened a state-of-the-art manufacturing facility designed to support consistent quality, control, and innovation. Spanning nearly 400,000 square feet under one roof, the facility brings together every major stage of production, allowing us to oversee the process from start to finish.

Our manufacturing approach reflects the same high standards that have defined AstroTurf from the beginning, delivering reliable, high-quality systems trusted at every level of play.



**WE CONTROL OUR OWN DESTINY**

The unique demands of the synthetic turf industry require that we know exactly how our products will perform, especially with respect to fiber integrity. Our fields are often outdoors for a decade or longer, sustaining constant abuse, yet the safety and investment of our clients depend upon our products holding up.

**ITS ALL ABOUT QUALITY CONTROL**

Quality control is of paramount importance. We implement strict protocols that ensure that each field is tested during the manufacturing process to ensure it is being manufactured correctly. And - crucially important - we control the masterbatch formulation of our fibers. To our knowledge, no other turf manufacturer takes back the chain of control to this critical step. The masterbatch is like the DNA of the fibers. The "special sauce" contains the UV stabilizers, color, heat resistance and other critical factors that influence the performance of the fibers. Sport Group's masterbatch formulations were developed in Germany by some of the world's foremost polymer chemists, who are directly employed by the Sport Group. The masterbatch formulation is consistent across the globe for all Sport Group turf fibers.



## A COAST TO COAST BUSINESS MODEL THAT PUTS OUR CUSTOMERS FIRST!

It is rare in our industry for one company to be able to offer a track or field customer, a coast-to-coast resource for their entire project. Starting from initial project guidance, to selecting, procuring, and putting it on the ground, our team will simplify and improve the outcome of all your decisions. We provide the only national, one-stop team with engineering, construction, and management that will let you take control of the process. This eliminates costly and time-consuming bid procedures and puts an end to scheduling conflicts and finger-pointing.

From surveying and design, to permits and engineering, right through civil work, base, drainage, and construction of the fully serviced and warrantied track or field of your dreams. We do it all. From initial product selection, to design and construction processes. From budget to base path. From fiber to field. Full project services, managed end-to-end.

Regardless of what track or field you consider, you can count on AstroTurf to provide the complete package. Our long history gives us a unique perspective. Over the past 60 years, our team has experienced tens of thousands of projects. And that helps eliminate surprises and problems for you.

**With the global resources of Sport Group - and a growing network of national hubs from coast to coast - we provide our customers with the latest technologies and one-stop project management. All of which deliver the most efficient and attractive financial benefits.**

## ASTROTURF HAS THE WIDEST ARRAY OF TESTED, VETTED FIBERS, INFILLS AND PADS!

The surface you install is a combination of turf carpet (composed of grass-like fibers), infill, and sometimes a shock-absorbing pad. These elements combine to comprise the turf system; no single element should be looked at in a vacuum. These elements each contribute an integral effect to the overall system performance.

AstroTurf has the widest array of tested, vetted fibers, infills, and pads. Our experienced sales staff is available to help you evaluate the best fit for your uses and budget.

Fiber is the most important element of the system. AstroTurf's fibers are engineered to withstand the years of abuse a typical field endures throughout its life. When the fiber is gone, the field must be replaced. That is why we advocate a "More Fiber, Less Fill" approach. We provide more advanced fiber in the system to improve the performance over time. A dense carpet structure has important implications for player safety, too.

**All our systems use masterbatch formulations created in-house for the strongest fibers on the market.**



# ROOTZONE

## THE ROOTZONE 3D SERIES IS ASTROTURF'S MOST POPULAR PRODUCT LINE!

The RootZone 3D Series adds a RootZone to basic infilled turf systems. The RootZone is a texturized layer of fibers that curl down to encapsulate infill. The RootZone dramatically reduces infill splash, yielding better

shock absorbency over time and less infill migration than basic systems. The RootZone improves safety, playability, and durability, making RootZone 3D systems the top choice for athletes and field owners. Importantly,

independently funded research by Michigan State University has shown that the RootZone provides grass-like traction and reduces torque transmitted to lower extremities.

**ASTROTURF EXPERTS BRING DECADES OF EXPERIENCE AND MILLIONS OF SQUARE FEET TO PLAY IN SELECTING ONLY THE 'PERFECT BATCH' OF TEXTURIZED FIBER FOR USE IN ROOTZONE TURF SYSTEMS.**

### ROOTZONE SERIES SYSTEM HIGHLIGHTS

- ▶ Exclusive, precise in-house fiber masterbatch formulations with cutting edge ultraviolet and heat stabilizers
- ▶ Entanglement technology, wherein we entangle molecular side chains to reinforce the fiber and prevent splitting
- ▶ RootZone infill stabilization system
- ▶ Multi-layer woven primary backing
- ▶ The latest polyurethane technology to enhance tuft lock, dimensional stability, and fiber adhesion, with polymer formulations engineered in Germany and applied in our own American factory
- ▶ Available with a range of infill options



### SOFTER. STRONGER. LASTS LONGER. FINALLY, MOLECULAR FUSION OF NYLON AND POLYETHYLENE.

Throughout the history of the synthetic turf industry, the great quest of manufacturers has been to blend polyethylene (PE) and nylon (PA) into a single fiber. From its earliest inception until the 1990s, nylon was used nearly across the board for its superior resilience and strength. The downside of all-nylon texturized fibers was well-known – it was abrasive. In the 1990s, PE came into vogue and became the industry standard for tall pile face fibers. These PE fibers were much less abrasive but came at a cost. These PE fields sacrificed the strength that previous generations of turf fields offered.

AstroTurf now offers the TRIONIC Plus fiber. This patent-pending development is a feat of chemical engineering never achieved in the history of our industry. TRIONIC Plus combines player-friendly PE with ultra-durable nylon to deliver the ultimate fiber.

### WHAT MAKES TRIONIC PLUS SO DIFFERENT?

While some core systems may use two polyethylene compounds as a cost-saving shortcut, Trionic Plus fibers are a totally different technology. To produce Trionic Plus, polyethylene and nylon molecules are fused into a copolymer and then extruded as a single fiber. This patent-pending process chemically blends polyethylene with nylon using sophisticated compatibilizers, providing softness and durability.

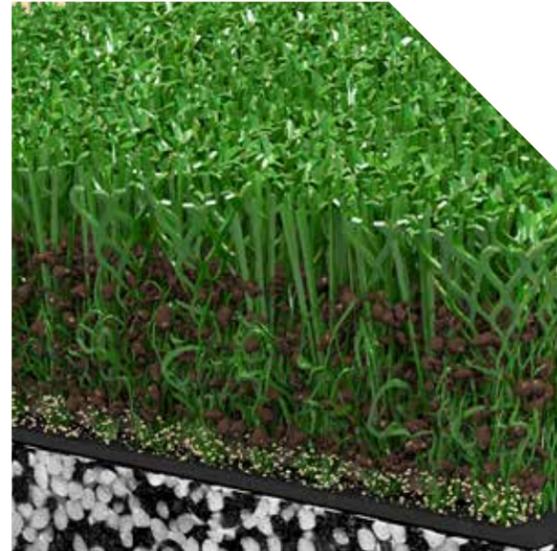


**WITHOUT ENTANGLEMENT**  
the main molecular chains are vulnerable to splitting

**WITH ENTANGLEMENT**  
cross chains reinforce the main molecular chains

To prevent splitting of the fiber, we entangle the side chains to reinforce any weak spots that would form between the main molecular chains.





## INFILL OPTIONS



### SILICA SAND

- ▶ Very Inexpensive
- ▶ Widely used and proven
- ▶ No negative marketplace perceptions
- ▶ Good ballast material



### GUARDIAN

- ▶ US Sourced and Manufactured
- ▶ Locks in and maintains permeability
- ▶ Superior Cooling Properties

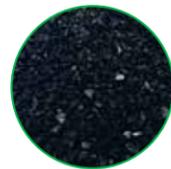
**GUARDIAN™**



### SUPERNATURAL ICE

- ▶ Energy absorbent
- ▶ Optimized rotational friction
- ▶ Lower energy restitution
- ▶ Cooling effect reducing significantly surface temperatures

**SUPER  
NATURAL**



### SBR

- ▶ Most economical shock absorbing infill
- ▶ Most widely studied
- ▶ No findings of environmental or health effects
- ▶ Absorbs shock



### TORGINOL®

- ▶ Superior UV Stability
- ▶ Antimicrobials
- ▶ Excellent Abrasion Resistance



THERE IS A WIDE VARIETY OF INFILL OPTIONS AND ASTROTURF® HAS SPENT THOUSANDS OF HOURS VETTING THE INFILL PRODUCTS TO MAKE SURE THEY MEET THE COMPANY'S LEGENDARY STANDARDS.

INFILL SHOULD BE LOOKED AT AS ONE ELEMENT OF AN OVERALL SYSTEM THAT IS COMPRISED OF SYNTHETIC TURF CARPET, INFILL, AND PAD, WITH EACH ELEMENT INTERACTING AND AFFECTING THE OTHERS.

SHOCK PADS ARE SEPARATE, ELASTOMERIC MATERIALS SUCH AS FOAM, RUBBER, BEADS, OR FIBERS BOUND TOGETHER WITH A STRONG ADHESIVE. MANY PADS HAVE BEEN AVAILABLE FOR DECADES WHILE THE SIZE OF THE TURF MARKET TODAY IS ATTRACTING NEWER TECHNOLOGIES. OUR LABORATORY TESTS PADS EXHAUSTIVELY BEFORE APPROVAL FOR FIELD USE.

### BEADED POLYPROPYLENE

Often called "Brock" pads after the industry leader's brand, these systems consist of small beads of polypropylene molded under pressure into a certain design. These pads are supplied on pallets and are fitted together on site.

#### FEATURES

- ▶ Outstanding shock attenuation properties for player protection
- ▶ Good resistance to crushing under heavy loads
- ▶ Uniform thickness and density
- ▶ Rapid drainage
- ▶ Excellent biomechanical properties
- ▶ Thoroughly tested and proven
- ▶ Various pad styles to meet specific budget and use demands

#### ELASTIC LAYER

- ▶ Excellent shock absorbency
- ▶ Totally solid underfoot
- ▶ Permanent usability
- ▶ Monolithic
- ▶ Can alter formulations to make E-Layer® more or less bouncy
- ▶ Porous

#### RUBBER PADS

Rubber crumb pads have been proven in use for decades. Heavy, durable, and naturally porous, rubber pads are generally used for more than one life cycle of turf. These pads are offered in two basic formats: Factory made pads and Elastic Layers (E-Layer®) pads.

#### FACTORY MADE

- ▶ Good shock absorbency
- ▶ Excellent resistance to "set"
- ▶ Can be monolithic
- ▶ Excellent drainage

### CLOSED CELL FORMS

Generally either cross-linked polyethylene (Trocellan) or PVC nitrile rubber pad formulations (Armacell), these pads are extruded to guarantee uniform thickness and density. Proven for decades for turf applications, foam pads are priced right, can be made in long continuous rolls and can be seamed properly for a monolithic underlayment.

#### FEATURES

- ▶ Good shock absorbency
- ▶ Acceptable resistance to "set"
- ▶ Uniform thickness and density
- ▶ Generally priced lower
- ▶ Rapid drainage

## ASTROPAD

**GUARDIAN Series**

AstroPad is the only shock pad backed by Guardian Innovation and available exclusively through AstroTurf, engineered to elevate the safety, performance, and long-term resilience of every field we build.

Made from open-cell bonded polyurethane foam, AstroPad delivers outstanding underfoot comfort and impact absorption while supporting a more sustainable approach through reduced environmental impact.



IMPROVED  
PLAYER SAFETY



CONSISTENT  
PERFORMANCE



20-YEAR  
WARRANTY



RECYCLABLE &  
SUSTAINABLE

#### PROVEN PERFORMANCE

- ▶ Enhances athlete footing and surface stability
- ▶ Helps reduce surface temperature through evaporative cooling
- ▶ Mimics natural earth with vertical water drainage

#### BUILT FOR ATHLETE SAFETY

- ▶ Top-rated shock absorption to reduce impact and injury risk
- ▶ Delivers consistent, uniform surface performance
- ▶ Meets major safety standards (ASTM and EN)

# SUSTAINABILITY

## LEADING THE WAY IN SUSTAINABLE INNOVATION



### AT ASTROTURF®, SUSTAINABILITY ISN'T AN INITIATIVE—IT'S PART OF OUR IDENTITY.

For over 60 years, AstroTurf has been a trailblazer in the turf industry. Today, we're leading the next revolution: redefining what it means to be environmentally responsible in sports surfacing. AstroTurf is committed to building a greener game, from innovative materials to planet-friendly manufacturing practices, without compromising performance.

### FIRST IN THE INDUSTRY TO ELIMINATE PFAS

In 2019, AstroTurf became the first synthetic turf company to eliminate intentionally added PFAS from the manufacturing process across all products. This proactive move goes beyond industry standards, ensuring our fields are safer for athletes, communities, and the environment. We believe in transparency, accountability, and responsible innovation—and we don't wait for regulations to do what's right.

### A MEMBER OF THE GREEN SPORTS ALLIANCE

AstroTurf was also the first synthetic turf company to join the Green Sports Alliance, aligning our brand with the global movement toward healthier, more sustainable sports. Through this partnership, we advocate for best practices in environmental stewardship, from reducing water usage and emissions to exploring circular economy solutions in turf recycling.

### ROOTZONE® GT-B: A USDA BIOPREFERRED BREAKTHROUGH

Our RootZone GT-B system represents a landmark achievement in sustainable field design. Featuring Trionic Plus fiber, this system contains 11% plant-based content, GT-B is the only synthetic turf system in the industry certified by the USDA as a BioPreferred product. Designed for long-lasting play and reduced splash, it's a win for performance and the planet.

### PARIS GT ZERO: THE TURF WITH A CARBON-CONSCIOUS FOOTPRINT

Sustainability goes global with our Paris GT Zero turf system—engineered with advanced materials that reduce carbon impact and improve recyclability. Designed to meet international climate goals, this next-generation product pushes the boundaries of what eco-conscious turf can achieve.

### MORE THAN A FIELD—A COMMITMENT

Every AstroTurf field is a promise. A promise to protect athletes. To protect our communities. And to protect the future of sport. As we continue to innovate, we will always lead with purpose, proving that elite performance and sustainability go hand in hand.



US DEPARTMENT OF AGRICULTURE

THE ONLY USDA BIOPREFERRED SPORTS TURF SYSTEM ON THE MARKET

## WE CREATE 5 STAR SYSTEMS FOR YOUR 5 STAR ATHLETES

The game of football is constantly evolving. The rate at which it has evolved in recent years has taken us into uncharted territory. The strength of athletes, the speed of play, and the demand for high-performing sports surfaces have reached a new level. And once again, AstroTurf® is leading the way in meeting those demands.

Our goal was to design a football field with fully integrated components that would encourage peak athletic performance at the highest levels of competition.

If you are looking for a run-of-the-mill, traditional, no frills, synthetic turf system, then our systems may not be for you. But if you are seeking out the most technologically advanced playing surface on the market then it's time to make your commitment now to the AstroTurf program.

### OUR TURF SYSTEMS ADDRESS 5 KEY FACTORS:

- › **INNOVATION**
- › **SUSTAINABILITY**
- › **DURABILITY**
- › **SAFETY**
- › **LESS MAINTENANCE**



OFFICIAL SYNTHETIC TURF OF  
THE COLLEGE FOOTBALL HALL OF FAME.

## TRADITION MEETS INNOVATION

Today's premier baseball and softball surface, Diamond Series handles ball bounce exactly like a natural grass field in every area of performance - outfield, infield, and base paths. And this can be custom-tailored to any coach or facility specifications for speed or bounce. Diamond Series fields play and look so natural, yet provide the easy maintenance and exceptional durability we have become famous for over the past 60 years. Outfield, infield, base paths, pitcher's mound, batters' boxes, and warning tracks are each surfaced with unique AstroTurf products designed specifically to replicate natural field playability.

This natural playability and customization have led to the Diamond Series' success in the baseball and softball markets. AstroTurf has developed three Diamond Series systems to provide baseball and softball clients more control over their home field.

### DIAMOND SERIES

#### PROFESSIONAL

The OPS system is designed to play like Bermuda grass and natural clay. It includes unique products to cover each area of the baseball and softball field to replicate natural playability.

#### COLLEGIATE

The RBI system is designed to play like Kentucky Bluegrass and natural clay. It includes unique products covering each baseball and softball field area to replicate natural playability.

#### VARSITY

The HR System is designed as more of a multi-purpose product, especially suited for use when other field sports are to be played in the outfield. While lacking some of the distinctive features of the OPS and RBI systems, it is still a very good baseball system that has been used at some of the highest levels of baseball and softball.

AstroTurf has more Diamond Series fields installed in NCAA D1 Baseball than any other turf company in the industry.



OFFICIAL SYNTHETIC TURF OF  
MAJOR LEAGUE BASEBALL

SOCGER

ligaturf

## A PASSION FOR TOP CLASS PERFORMANCE

Soccer is the world's game and continues to grow in popularity. AstroTurf is doing its part to facilitate that growth. Using pristine natural grass as the benchmark, we commit significant resources to studying every aspect of a grass field's performance including playability, durability, and safety. We use this data and couple it with our turf know how to manufacture the best turf product for soccer.

Further, bolstering our efforts, the Sport Group has allowed us to collaborate with our worldwide partners in the soccer industry. We particularly work closely with our European team members, who enjoy a majority market share of the high-end club's match or training pitches. Our fields represent the best-performing synthetic turf pitches in the world... LigaTurf.

**LigaTurf** is now offered exclusively in the United States by AstroTurf Corporation and its partners. The latest LigaTurf systems have emerged as the result of the global collaboration of our Research and Development teams around the world. We have focused our efforts on polymer chemistry, biomechanics, ball roll, and energy restitution to make the game even more beautiful on LigaTurf.

## ASTROTURF® IS THE HOME OF THE MOST INNOVATIVE SOCCER SYSTEMS!



THE OFFICIAL SYNTHETIC TURF PARTNER OF THE LA GALAXY, CHICAGO FIRE, SEATTLE SOUNDERS, AND INTER MIAMI CF.

## EVER SINCE FIELD HOCKEY WAS PLAYED ON ASTROTURF IN THE 1976 MONTREAL OLYMPICS, ASTROTURF HAS BEEN THE GOLD STANDARD FOR THE GAME.

### CHOSEN FOR 12 OLYMPIC GAMES!

AstroTurf has a long history of innovation and leadership in the hockey world. It is the brand that changed the sport. And it is the sport that has shaped AstroTurf's history. Our specialized knitting equipment and manufacturing history have kept AstroTurf at the top of the hockey world's elite surfacing.

AstroTurf's fast-playing, non-directional, uniform products are demanded by top elite programs across the world. That is because AstroTurf understands that the surface should not influence the outcome of the game.. AstroTurf's Classic Series allows for a higher skill set to flourish on the pitch. Now with a greater variety of affordable and multipurpose products, AstroTurf provides for skill development for everyone from youth to elite players and everyone in between.

- ▶ THE WORLD LEADER IN HOCKEY
- ▶ A SUPPORTER OF AND ALLY TO INTERNATIONAL HOCKEY ORGANIZATIONS AROUND THE GLOBE, INCLUDING FIH, USA FH, NFHCA, EHF, PAN AM AND MORE.
- ▶ A PREFERRED PRODUCT OF SEVERAL FIH-CERTIFIED SYSTEMS TO MEET EVERY NEED.
- ▶ THE SURFACE USED AT EVERY NCAA D1 FINAL FOUR TOURNAMENT SINCE THE GAME LEFT NATURAL GRASS.
- ▶ A SUPPORTER OF HOCKEY AT ALL LEVELS OF THE GAME.

FIELD HOCKEY

# LACROSSE

## AS THE FASTEST GROWING SPORT IN NORTH AMERICA, LACROSSE IS MAKING ITS MARK!

Lacrosse even has turf needs specific to the sport. Even, predictable footing and extreme durability (especially in the creases) are crucial. Lacrosse players move at a breakneck speed, and the turf cannot slow them down. Infill spray should be minimized to provide true and predictable bounce

passes and shots. AstroTurf's focus on "more fiber, less fill" is ideal for lacrosse. The RootZone 3D product line reduces lower extremity torque, creates even predictable footing, reduces infill spray and enhances durability. That is a winning combination for Lacrosse players and field owners alike.

# RUGBY

## RUGBY IS A HONORABLE GAME, BUT A BRUTAL SPORT.

**THAT'S WHY ASTROTURF IS UNDERFOOT. FOR OVER HALF A CENTURY, ASTROTURF HAS LED THE WAY IN SYNTHETIC TURF INNOVATION AND PLAYER PROTECTION.**

LigaTurf is the world's pre-eminent family of turf systems designed specifically to meet World Rugby standards. LigaTurf has a large footprint around the globe and can be found at the most elite facilities in Europe. LigaTurf is now offered exclusively in the United States by AstroTurf Corporation and its partners. The latest LigaTurf systems have

emerged as the result of global collaboration of our Research and Development teams across the world, who have focused on polymer chemistry, biomechanics, shock attenuation, energy restitution, and more.

Breakthrough technologies ensure that LigaTurf systems exceed all World Rugby standards. And full control over the manufacturing, construction, and installation chain ensures that our soccer customers receive the best fields in the industry.

## SINCE ITS INCEPTION, ASTROTURF HAS DOMINATED THE NICHE CONVERSION MARKET WITHIN THE SYNTHETIC TURF INDUSTRY.

### MAGIC CARPET SYSTEM

AstroTurf introduced the world to synthetic sports turf in the 1960s, thereby changing athletic competition forever. It went on to invent conversion systems (Magic Carpet, AstroHopper, and AstroLift) that have fundamentally altered stadium operations, affording arenas previously unknown flexibility and revenue opportunities. In fact, AstroTurf conversion systems have been in use since the installation of AstroTurf at the Houston AstroDome in 1966. This system was the forerunner of the AstroHopper type system.

AstroTurf installed convertible systems at all high-profile venues through the 70s, 80s and 90s. The advent of third-generation (tall-pile, rubber-filled) systems in the late 1990s accelerated the turf industry. The softer feel of the polyethylene blades and cushioned support of the infill were favored by athletes. However, these systems posed a unique challenge to stadiums wishing to host multiple events and sports. Problems arose with containing the infill, and the machinery did not have sufficient power to lift the turf containing the 20,000 recycled tires used in the new systems.

Living up to its historical commitment to these facilities, AstroTurf rose to the challenge. In 2008, we designed and installed a Magic Carpet system for the University of Northern Michigan that could roll up tall pile turf without infill. In 2010, the current Magic Carpet II (MCII) system was installed at the Edward Jones Dome in St. Louis, Missouri. The product is the latest and greatest in turf technology – a 3D product with rubber infill.

The AstroHopper system was simultaneously improved upon, and it too was redesigned to handle heavy, infilled turf. This system was selected as the conversion system of choice for the Rogers Centre and the Toronto Blue Jays in 2010 and again in 2015.

# GO CONVERSION SYSTEMS

# BIG

AstroTurf  
MULTIFIELD PROJECTS



**THE SPORTS TOURISM INDUSTRY IS BOOMING. MORE AND MORE MULTIFIELD COMPLEXES OPEN EVERY YEAR. THESE FACILITIES ARE DESIGNED TO BE MECCAS FOR TRAVELING TEAMS. THEY AIM TO PROVIDE GUESTS WITH EVERYTHING THEY NEED FOR SUCCESSFUL TOURNAMENTS**

**- HOTELS, SHOPPING, AND HIGH-QUALITY ATHLETIC SURFACES.**

Building these facilities and hosting community events, travel teams, and tournaments demands a lot. The level of investment - whether private dollars, public dollars or a blend - requires that every step of the process from concept to completion is executed efficiently. The solvency of the facility and the economic impact on the community depend upon thorough attention to every detail. Synthetic turf is practically a requirement for the long-term success of multifield complexes.

Maintenance of the natural grass surfaces at complexes with large footprints quickly becomes unfeasible, at least at a level that justifies the rental fees that keep these facilities in business. Just as sports tourism facilities provide a one-stop destination for teams and families.

AstroTurf serves as an indispensable partner in the process, standing side by side during the entire process.

**ASTROTURF IS WITH YOU EVERY STEP OF THE WAY.**

- › Feasibility Studies
- › Site Analysis
- › Surface Selection
- › Construction & Installation

1. **COST SAVINGS:**  
Cooperative purchasing programs enable organizations to leverage collective buying power, resulting in lower prices, discounts, and reduced overall procurement costs.
2. **EFFICIENCY:**  
Streamlined procurement processes reduce administrative burdens, paperwork, and the time required to select and contract with vendors.
3. **ACCESS TO HIGH-QUALITY SUPPLIERS:**  
Cooperative programs often pre-qualify suppliers, ensuring that organizations have access to reputable, reliable vendors.
4. **VOLUME DISCOUNTS:**  
Bulk purchasing through cooperatives allows organizations to benefit from volume discounts that may not be available when buying individually.
5. **MARKET KNOWLEDGE:**  
Cooperative administrators often have deep industry knowledge, providing members with insights into market trends, best practices, and emerging technologies.
6. **SIMPLIFIED PROCUREMENT:**  
Cooperative purchasing simplifies the procurement process, making it easier for organizations to acquire the goods and services they need.
7. **COMPETITIVE ADVANTAGE:**  
Access to cost-effective resources allows organizations to allocate more resources to their core mission and gain a competitive edge.
8. **DIVERSE SUPPLIER OPTIONS:**  
Cooperative programs typically offer a wide range of suppliers and products, allowing organizations to find the best fit for their specific needs.
9. **COMPLIANCE AND ACCOUNTABILITY:**  
Many cooperative programs have strict vendor performance monitoring and accountability measures, ensuring that vendors meet their contractual obligations.
10. **FASTEST ALTERNATIVE:**  
Cooperative purchasing offers the most efficient and rapid way to purchase a surface. All of the hard work and qualifying have already been taken care of.



## COOPERATIVE PURCHASING

**YOU WANT TO PURCHASE BUT NEED TO FIND THE BEST WAY TO DO IT.**



# MAINTENANCE



## ASTROTURF STRIVES TO MANUFACTURE THE HIGHEST QUALITY SYNTHETIC TURF PRODUCTS IN THE WORLD.

However, to keep your field performing at the highest level, routine care and maintenance must be followed. As with any item requiring long-term, continual upkeep, maintenance logs must be used to record each occasion and type of maintenance undertaken.



You have made a substantial investment in your field. Protect it with an annual Maintain the Game® Aftercare Program performed by AstroTurf Corporation's certified turf technicians to improve the overall performance, appearance, and life of your field. The inventor and leader of the synthetic turf market is proud to offer the industry's leading turf care program.

Our turf care team has developed two levels of care. Maintain the Game Aftercare, available in Rhino and Rhino Pro packages, to better meet each customer's needs. Each certified package is performed under the direct supervision of an AstroTurf Field Maintenance Technician to ensure the desired results and customer satisfaction.

**SPECIALIZED EQUIPMENT REJUVENATES YOUR FIELD TO IMPROVE PLAYABILITY, PROLONG THE LIFE OF YOUR FIELD, AND DELIVER CUSTOMIZED MAINTENANCE RESULTS.**



## Rekortan®

### THE WORLD'S MOST CERTIFIED TRACKS

TRUSTED & CHOSEN FOR OVER 50 YEARS.

Rekortan was first installed at the Olympic Stadium, Berlin in 1969 and was later used for the 1972 Munich Olympic Games. Since then, Rekortan has gained a reputation as having the perfect balance - giving speed to sprinters and energy return to distance runners.

Today, more than 50 years later, Rekortan has the most World Athletics certified tracks and is leading the industry with its innovation in Green and SMART technology.



Official surface of the Penn Relays since 1988



REKORTAN TRACKS

## Laykold®

### THE OFFICIAL SURFACE OF THE US OPEN

The Laykold® family of systems are acrylic sports surfaces that can be customized to achieve the desired performance, playability and appearance, making it an incredibly cost-effective way to breathe new life into asphalt or concrete surfaces. Low maintenance and resurfacing costs can extend a court's playing life or transform it completely.

Laykold® is the official surface of the Miami Open and has been since 1984. It is a popular choice for community-funded facilities as they find new ways to increase utilization and physical activity. Laykold® is used in premier tennis facilities worldwide is widely used for pickleball, basketball, soccer, game courts and in-line skating.

Laykold® is manufactured in our ISO9001 and 14001 certified factory in Harmony PA. APT Corp is a global leader in the development and manufacture of innovative, high performance and environmentally friendly sports and recreational surfacing systems. The complete range includes synthetic grass for every application as well as polyurethane-based surfaces for running tracks, indoor gymnasium flooring and children's playgrounds.



LAYKOLD COURTS

# AstroTurf.

MORE SUSTAINABILITY • MORE PERFORMANCE  
MORE DURABILITY • MORE SAFETY AND COMFORT



## AstroTurf Corporation

THE WORLD LEADER IN SPORTS & RECREATION SURFACES

**AstroTurf**  
FIELDS

**Rekortan**  
TRACKS

**Laykold**  
COURTS

**SYNLAWN**  
LANDSCAPE

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