



Polska Fabryka Sportów Sp. z o.o.
Worldwide Sports Solutions

Edition: 2021

SPECIALIZED SPORTS SURFACE SOLUTIONS



MADE IN POLAND



PREMIUM ARTIFICIAL TURF FOR
HIGH PERFORMANCE AND SAFETY



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POLSKA FABRYKA SPORTÓW

PFS

Polska Fabryka Sportów (PFS) started out as a small company in Poland providing installation services to its clients for various types of sports grounds. Observing the high demand and scarcity of manufacturing plants in Poland for Sports Flooring products, the management decided to build its own plant to cater in-house needs and subsequently expanded to supply to other Sports Flooring Installers in and around Poland, Europe, America, UK, Turkey, South Africa to save time, high cost of import and to provide European quality Sports Surfacing Chemicals.

Following its Subject Matter Experts knowledge, consultation services to its clients, high quality material, value for money, we rapidly opened our new manufacturing plant in United Arab Emirates(UAE) to provide Sports flooring materials as per European standards to Middle Eastern Countries, China, Africa, India and further to other countries.

OUR FACILITIES IN POLAND & UAE

PFS is operating manufacturing plant facilities in UAE in addition to the plant in Poland to serve clients globally and to reduce the logistic cost and time. We have done significant investments in other manufacturing plants in Europe for Sports Equipment, Play Equipment and many more to ensure we cater to all the sports flooring related requirements as one stop solution company.

Our continuous research and development in the field of the sports flooring ensured that we continue to explore the various options for our clients. A strong worldwide collaboration with other manufacturers has helped extensively in providing a wide range of products to our ever-growing clientele around the globe.





WHY COMPANIES COLLABORATE WITH US



We invest in research, staff, technology to provide high quality products in addition to outstanding customer support and services.

Our clients often recommend us for professionalism due to our:

- Proactive approach
- On-Time Delivery
- Cost-effective solutions
- Cutting-edge Machinery and Technologies
- Tailor made solutions
- Fast Response to queries
- Exceeding customers' expectations
- Onsite and Offsite training and installation support
- Advices on Finances – Support in Project Winning
- Maintenance Tracker created to record the maintenance
- Projects Material Consumption Calculation methods and Turf Roll Plan Designs



PRODUCTS WE OFFER

Sports Turf
Landscape Turf
Multipurpose Sports Turf
Airport Turf
Decorative Turf
Hybrid Turf

- PFS Geoturf Systems
- Acrylic Sports Flooring Surfaces Systems – Outdoor
- Polyurethane Sports Surfaces – Indoor
- Athletic Tracks Systems
- EPDM for Children Playgrounds
- Binders and Adhesives





SYNTHETIC GRASS SOLUTION



PFS - GEOTURF SYSTEMS

PFS Turf lets you bring out the most out of you. The yarn strength, Pile design, performance, quality, weather resistance and ability to support maximum usage under various conditions are the characteristics that define Polska Fabryka Sportów's Artificial Turf. Keeping our clients in mind, we have designed the special brand “**GEOTURF**” for our Artificial Turf Systems. From the continued collaboration with specialized partners, our teams of experts are always working endlessly on innovative and new generation turf to provide best and effective solutions while attending to the crucial queries of the clients.

GEOTURF Range comprises of Sports Turf, Landscape Turf, Multipurpose Sports Turf, Airport Turf, Decorative Turf and Hybrid Turf.



SPORTS TURF

TURF FOR ALL SPORTS FLOORING NEEDS

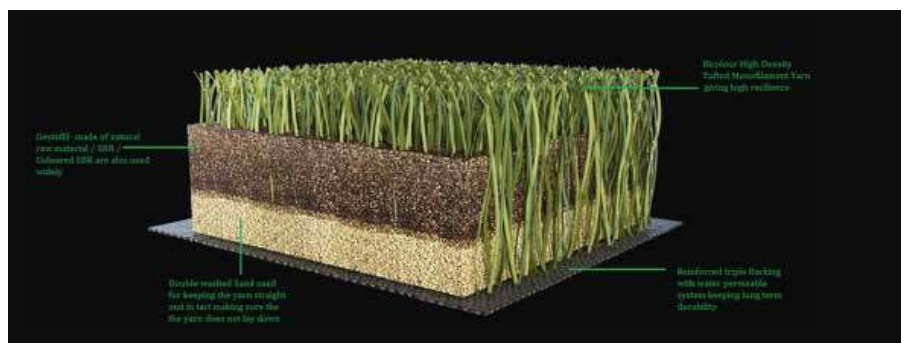
GEOTURF field lets you get the most out of your facility through the performance, aesthetics of the natural turf, by reducing the maintenance costs and round the year playing hours without compromising, even during the harshest weather conditions.

Its specially designed yarn makes it durable, highly resilient; great ball bouncing quality with in-fills makes them stand resilient even after maximum playing hours. **Its high standard quality makes it a perfect choice for both armatures and professional players.**

Keeping the various usages in mind, PFS has designed three types of Series for its users - XT, M and F Series.

PFS GEOTURF has been installed on more than 1,000,000 m² around the world till date.

The optimized design ensures fast recovery, ideal ball rebounding and ball sliding performance and makes the turf easier to maintain it.



AREA OF USAGE

- Schools
- Stadiums
- Private Homes and rooftops
- Community Parks
- Mini Pitches
- National and International Tournaments
- Sports Clubs

APPLICATIONS

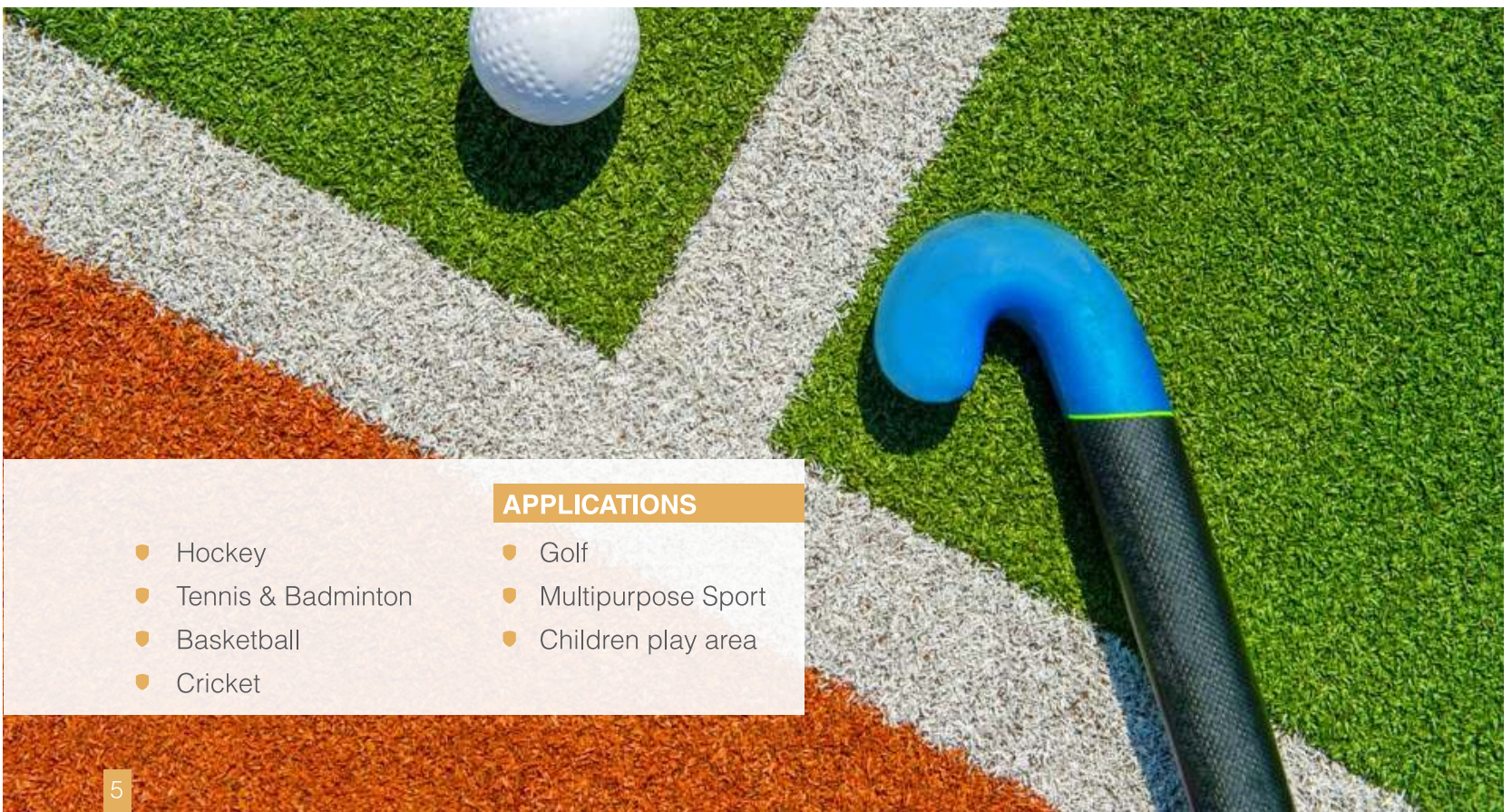
- Soccer
- Football
- Rugby

ASTRO TURF FOR MULTIPURPOSE USAGE MULTIPURPOSES TURF

Multipurpose Series turf is a high advanced turf system produced using advanced technologies. Its high density and stitches are designed to keep its multi usage in mind. Highly concentrated curly yarns consist of Polypropylene and Polyethylene which helps in providing the highly dense cushion effect hence reducing the knee and body parts injuries and by giving the giving ball sliding, friction, resilience and great movements across the field. Due to the non-infill and very minimal infill requirements, this artificial grass is highly safe and hygienic for kids.



Available in different colours, density, dtex and yarn height.



APPLICATIONS

- Hockey
- Tennis & Badminton
- Basketball
- Cricket
- Golf
- Multipurpose Sport
- Children play area

ARTIFICIAL GRASS FOR LANDSCAPING NEEDS

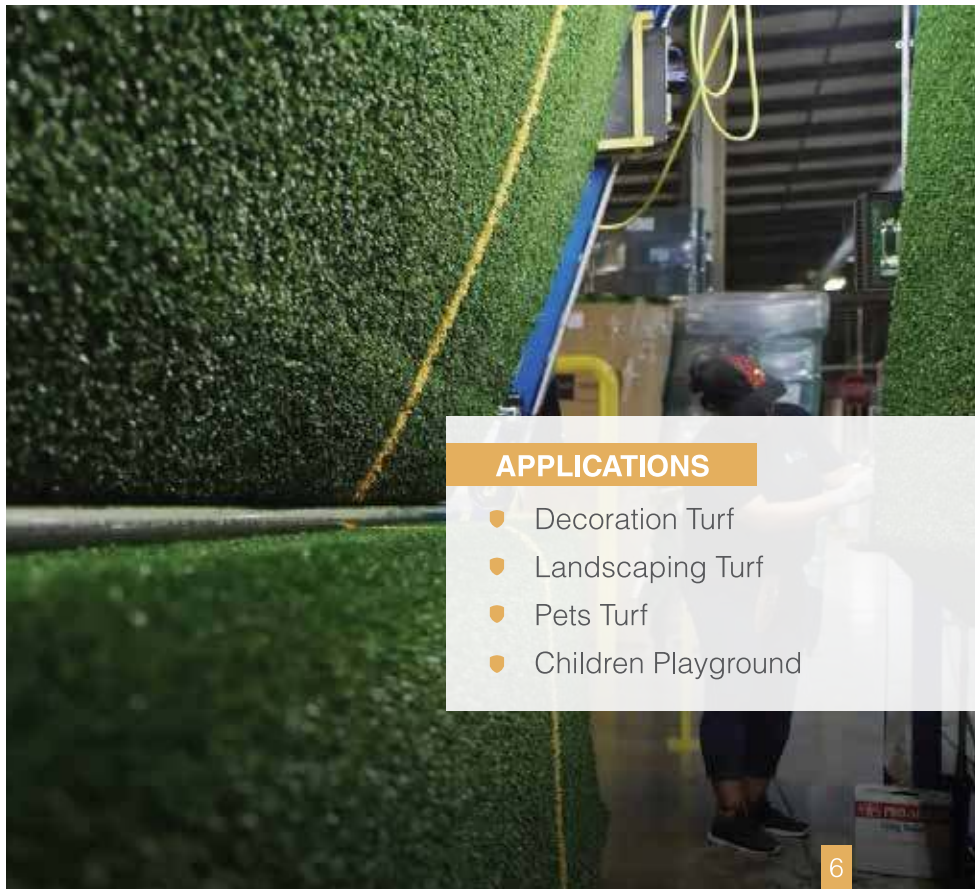
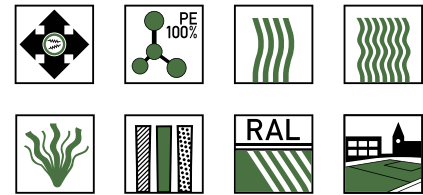
LANDSCAPE TURF

Artificial Turf for Landscaping has proven itself to be one of the most cost effective solutions as an alternative to the Natural Turf. Our high density Landscape turf not only provides the very cushion effects but is also gives very smooth feel to your feet. Whether for children play area or for landscaping purpose, it has been a multiplayer in all kind of fields.

Our experts have specially designed the well shape of yarns which help the Landscaping synthetic turf to remain the market leader by being safe, easy to install, maintenance free, water permeable and giving the long lasting results.

We take pride in testing all our products before launching and ensure that they are non-toxic and hypo-allergic to children, adults and pets.

“Our products are tested for safety
of children, adults and pets”



APPLICATIONS

- Decoration Turf
- Landscaping Turf
- Pets Turf
- Children Playground

SYNTHETIC OUTDOOR ACRYLIC SPORTS SURFACE SYSTEMS



PFS designs and produces Acrylic resin based synthetic sports flooring for training and competition. Our top quality product not only last for longer duration but also produces great results.

PFS Acrylic surfaces offer anti slip, all weather compatible and UV resistance. The advantages of PFS Acrylic surfaces include long lasting durability, maximum performance and optimal playing comfort as per the designed surface for athletes.

Sports surfaces for both training and competition.

PFS ACRYLIC SYSTEMS FOR OUTDOOR SPORTS

- Mini Pro Acrylic System
- Professional Acrylic System
- Standing Acrylic System
- Comfort System

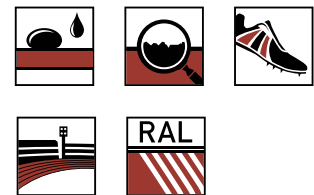
APPLICATIONS

- Tennis
- Basketball
- Volleyball
- Multipurpose Outdoor sports courts
- Netball
- Handball
- Badminton

Sports surfaces for both training and competition

MINI PRO ACRYLIC SYSTEM

This system comes in the thickness of 1mm - 1.5mm. It is composed of PFS resin based acrylic material having primer, special pigmented filler layer and pigmented top coating. This is the most cost effective surface system and can also be used for Sports courts and Cycle Tracks. Its prominent use is mostly for surface repairing or refurbishment of old concrete based or asphalt surface. The surface is non-slip and comes in variable attractive colour options.



PROFESSIONAL ACRYLIC SYSTEM

This system comes in the thickness of 1.8mm to 2.2mm. It is composed of PFS Resin based Acrylic material having primer topped with resurfacer which acts as filler layer. The third layer is quartz mixed with pigmented top coating to provide anti-slip property of the surface and the final layer of fine acrylic based pigment is applied which enhances the colour of the system. This is the most common widely used acrylic surface system. This system is also commonly called as “**Hard Coat**” system.

Its prominent use is mostly on new constructed surface, concrete or asphalt. This surface is extensively used for sports practices. This PFS system has high mechanical resistance, anti-slip, UV resistance and long lasting.

This system is manufactured as per the standards of International Tennis Federation (ITF) and is certifiable under Category 4 (Medium Fast Ball Bounce)

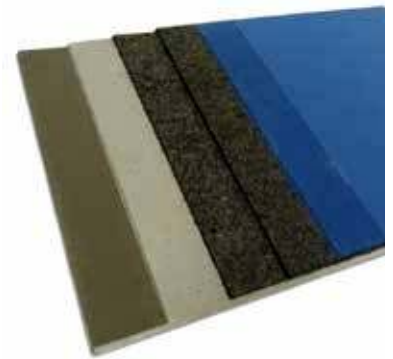


STANDING ACRYLIC SYSTEM

This system is manufactured with 3.5mm-5mm thickness. This system consists of PFS resin based acrylic material having primer. On top of it is resurfacer which acts as filler layer. The third and fourth layers are suspended with coarse granulated layer providing cushioning and resilient property of the surface. The fifth layer is quartz mixed with pigmented top coating to provide anti slip property while the sixth layer is the top layer of fine acrylic based pigment.

This surface is extensively used for sports national level practice.

This system is certified from International Tennis Federation (ITF) under Category 3 (Medium Ball Bounce)

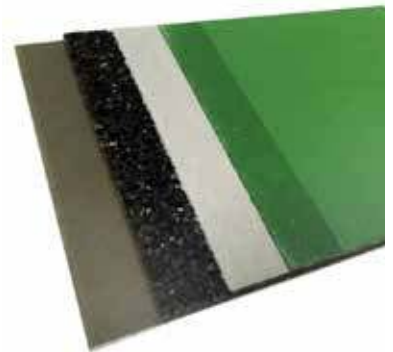


COMFORT ACRYLIC SYSTEM

This system is produced with the thickness ranging from 6mm- 10mm. It consist of PFS resin based acrylic material having dual component rubber glue, on which the prefabricated rubber roll of 4mm to 8mm thickness providing high cushioning and sound attenuation is glued. The third layer is resurfacer which act as filler layer to fill the rubber pores and reduce rubber blackness. The fourth layer is quartz mixed with pigmented acrylic followed by the final layer of the fine acrylic based pigment is applied to enhances the floor finish. Its applied on new constructed surface of concrete or asphalt. This surface is extensively used for sports national level practice.

This PFS Comfort Acrylic System has extreme cushioning effect and is perfect for real time playing comfort.

This system is manufactured as per the standards of International Tennis Federation (ITF) and is certifiable under Category 2 (Medium Slow Ball Bounce)





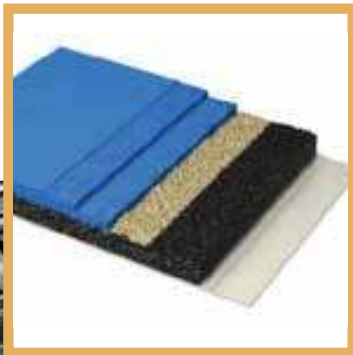


SYNTHETIC INDOOR SEAMLESS PU SURFACES SYSTEM

PFS designs and produces synthetic indoor polyurethane surfaces for training and competition. PFS indoor PU sports flooring serves as point elastic, sound attenuation and several sports events both training and competition.

This system comes in the thickness of 13-15mm. The 13mm thickness is used for sandwich system globally. It is composed of polyurethane material with a PUR-bound elastic layer based on recycled granules (Cushioned base layer) is characterized by its shock absorbing quality. The durability and Resiliency comes from its 3mm PUR (Wear layer). The top-quality PFS PU Resin layer is highly resilient, which provides non-slip, spike resistance, seamless to this excellent sports surfacing system.

This system is certifiable according to International sports association requirements.



APPLICATIONS

- School and recreational sports
- Indoor Sports Courts
- Sports with protective functions like handball or volleyball



SYNTHETIC ATHLETIC TRACK SURFACES SYSTEM

PFS Athletic tracks surfaces systems are specially designed to produce great results for training and competitions. PFS Synthetic tracks are produced in thickness of 13mm-15mm and are high performing tracks for top class international Sports. PFS track surfaces offer every athlete, professionals and amateur an excellent durability, uniform balance, rhythm and complete control.

PFS Synthetic track surfaces are produced from the carefully chosen raw materials combined with high technologies under the constant monitoring of the production line to provide excellent results for both indoor and outdoor facilities.

PFS athletic tracks are designed for everyone. We bring you these four systems:

- Sandwich Athletic Track System
- Full PUR Athletic Track Surface System
- Spray Coat Athletic Track Surface System
- Prefabricated Athletic Track Surface System



PFS Tracks Surface Systems are designed for **great results in trainings and competitions**



SANDWICH ATHLETIC TRACK SURFACE SYSTEM WATER IMPERMEABLE



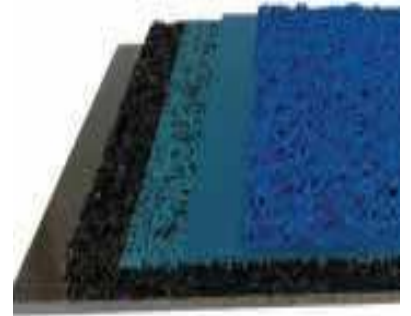
WORLD ATHLETICS SPECIFICATIONS COMPLIED

PFS Sandwich System is composed of polyurethane material with a PUR-bound elastic layer based on recycled granules (Cushioned base layer) is characterized by its shock absorbing quality. The durability and resiliency comes from its 3mm PUR (Wear layer). The top-quality PFS's PU Resin layer is highly resilient, which provides non-slip, spike resistance to this excellent athletics surfacing system.

This system is certifiable from World Athletics Class 1 and Class 2.

Its excellent shock absorption, energy-enhancing tread elasticity and high abrasion resistance, energy return qualities and low risk injuries are some of the characteristics of PFS Athletic Tracks.

System thickness: 13-15mm



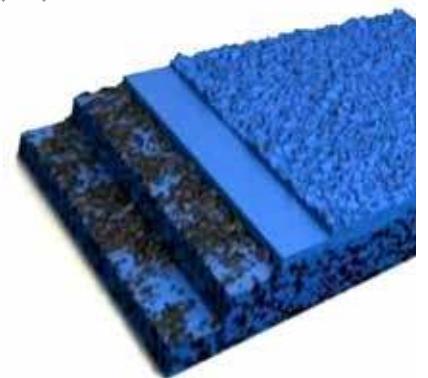
FULL PUR ATHLETIC TRACK SURFACE SYSTEM



It is biomechanically faster and suitable for competition track for the professional-end. This surface has proven with super track values with controlled body movement of the athlete. The top layer enables maximum resilience and durability of the track. These tracks have highly durable and in long run considered as low lifecycle cost.

This system is certifiable from World Athletics Class 1 and Class 2.

System thickness: 13-15mm





SPRAY COAT ATHLETIC TRACK SURFACE SYSTEM WATER IMPERMEABLE

The sprayed top layer polyurethane provides excellent spike resistance. The uniqueness of this system is that it is slip-proof which enables a good grip especially during wet and rainy seasons. This PFS system is very reliable and cost effective it has a water-impermeable structured surface, allowing for easy and fast installation. It is very popular in various sports facilities due to its optimum lasting and cost effectiveness.

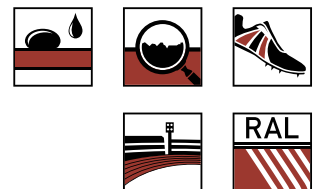
System thickness: 13-15mm



PREFABRICATED ATHLETIC TRACK SURFACE SYSTEM WATER IMPERMEABLE

This system offers professional solution for new and worn running tracks in need of renewal. The backing features the elongated Honeycomb Backing technology. The lower layer is of an elongated diamond-shaped geometric structure provides a perfect combination of energy storage and energy returns, shock absorption facilitating the faster performance. PFS prefabricated track systems are a very economical solution for new and refurbishing athletics tracks and sports facilities.

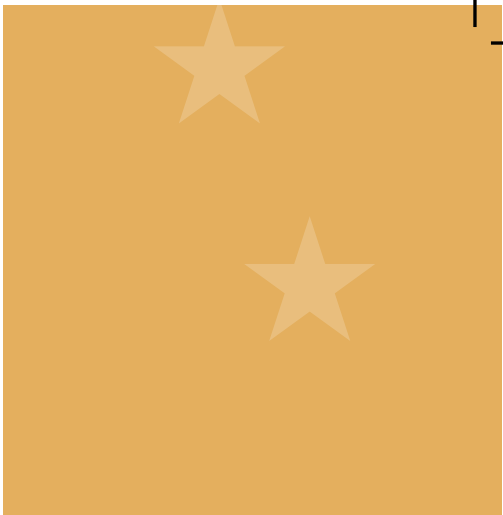
System thickness: 13-15mm



APPLICATIONS

- Schools
- Stadiums
- Sports Facilities
- Recreational Sports
- Sports Clubs and Complex

PFS JOGGING TRACK SYSTEM



PFS Athletic tracks surfaces systems are specially designed to produce great results for long runs. PFS jogging tracks can be installed in several public parks, beaches, and community parks, community villas, for all aged walking, jogging and running. PFS jogging track surfaces offer every individual and group jogger a uniform balance, complete control and great shock absorption. The advantages of PFS's jogging track surfaces include maximum performance, high comfort, stress free knee biomechanical movement. This system is certifiable by certified sports laboratory.

WATER IMPERMEABLE JOGGING TRACK SYSTEM

This system is produced in thickness of 15-20mm. The various range of thickness of synthetic jogging track system used depends on demographic arrangements and adaptation due to many factors globally. It is composed of polyurethane material with a PUR-bound elastic layer based on recycled granules (Cushioned base layer) is characterized by its shock absorbing quality. The durability and resiliency comes from its 5-10mm PUR (Wear layer). The top-quality PFS's PU Resin layer is highly resilient, which provides non-slip, spike resistance to this excellent surfacing system.

APPLICATIONS

- Schools
- Rehabilitation Centers
- Community Parks
- Beaches and Hotels





EPDM FALL PROTECTION SYSTEMS

PFS Fall Protection Flooring Systems (EPDM Granules) are produced with high levels of Shock Absorptions and safety hence protecting the children from high risk injuries. This system is water-permeable, easy to maintain, weather-resistant and durable. The smooth surfaces are ideal for indoor and outdoor use.

The top layer is built with coloured, UV-stable EPDM granules with the application of a PFS Aliphatic binder and top coat to provide long lasting non fading colour results. With environmental protection, beautiful appearance, safety, wear resistance, shock absorption, Anti-UV and other advantages, EPDM Rubber granules are the best and widely used play ground material. Widely used in all kinds of runway, kindergarten, park path, children's playground and other venues. Commonly used EPDM granules 0.5-2mm, 1-2.5mm, 1-3mm, 1-4mm. Particle size are available according to the surface requirement. These are best suited for all weather environments. PFS has various colours and colour combination to enhance the creativity of the surface.



APPLICATIONS

- For Spray Coat Tracks using PFS PU binders
- Indoor and Outdoor Surfaces
- Running Tracks, Jogging Tracks
- Sports Courts, Artificial Turf Infill
- Children Playgrounds, Kindergarten, Walkways



PFS BINDERS AND ADHESIVES

POLYURETHANE BASED, SOLVENT-FREE ADHESIVES

PFS manufactures high quality solvent-free Polyurethane based adhesives and binders which are designed for gluing the Artificial turf rolls, for binding the rubber/ EPDM granules in the installation of synthetic and flexible sports surfacing applied by prefabricated and wet-pour systems. (running tracks, safety playground flooring, etc.). These binders are also suitable for adhering Rubber, Metal, PVC, Wood and Carpet.

The surface to be coated must be clean, dry and free of oil, grease, dirt and any other contaminants that could impair adhesion. PFS binders are ready for use as supplied and should be mixed with dry rubber granules. This mixture can be applied with specially designed pavers/tools in order to obtain a uniform, and levelled surface. The cure time varies with temperature and humidity.



ONE COMPONENT, SOLVENT-FREE, POLYURETHANE BASED AROMATIC BINDER

PFS produces MDI based, solvent free, moisture curing one component Aromatic Binders. It exhibits excellent adhesion to all rubber granules and gives a strong performance both in terms of tensile strength and durability.

It is mixed with recycled rubber and EPDM granules for the creation of the cushioned safety floorings; ideal for playgrounds, prefabricated and wet-pour running tracks, jogging tracks, schools, recreational facilities, gymnasiums and other floorings.

One component solvent-free polyurethane based adhesive binders cured with the air humidity, have low viscosity. These binders combine and bond SBR or EPDM rubber granules, RIM components, polyurethane granules and sponge particles. It can also be used as lining for insulation and for pasting. PFS Aromatic Binder comes in Yellow and Transparent colour. PFS Aromatic Binders poses high UV Resistant qualities and are mainly used for dark coloured EPDM and SBR surfaces.

TWO COMPONENT POLYURETHANE ALIPHATIC BINDER

PFS manufactures two component Polyurethane Aliphatic Binder with low viscosity. It exhibits excellent adhesion to all rubber granules, combines and bonds SBR or EPDM rubber granules, polyurethane granules and sponge particles, and gives a strong performance both in terms of tensile strength and durability.

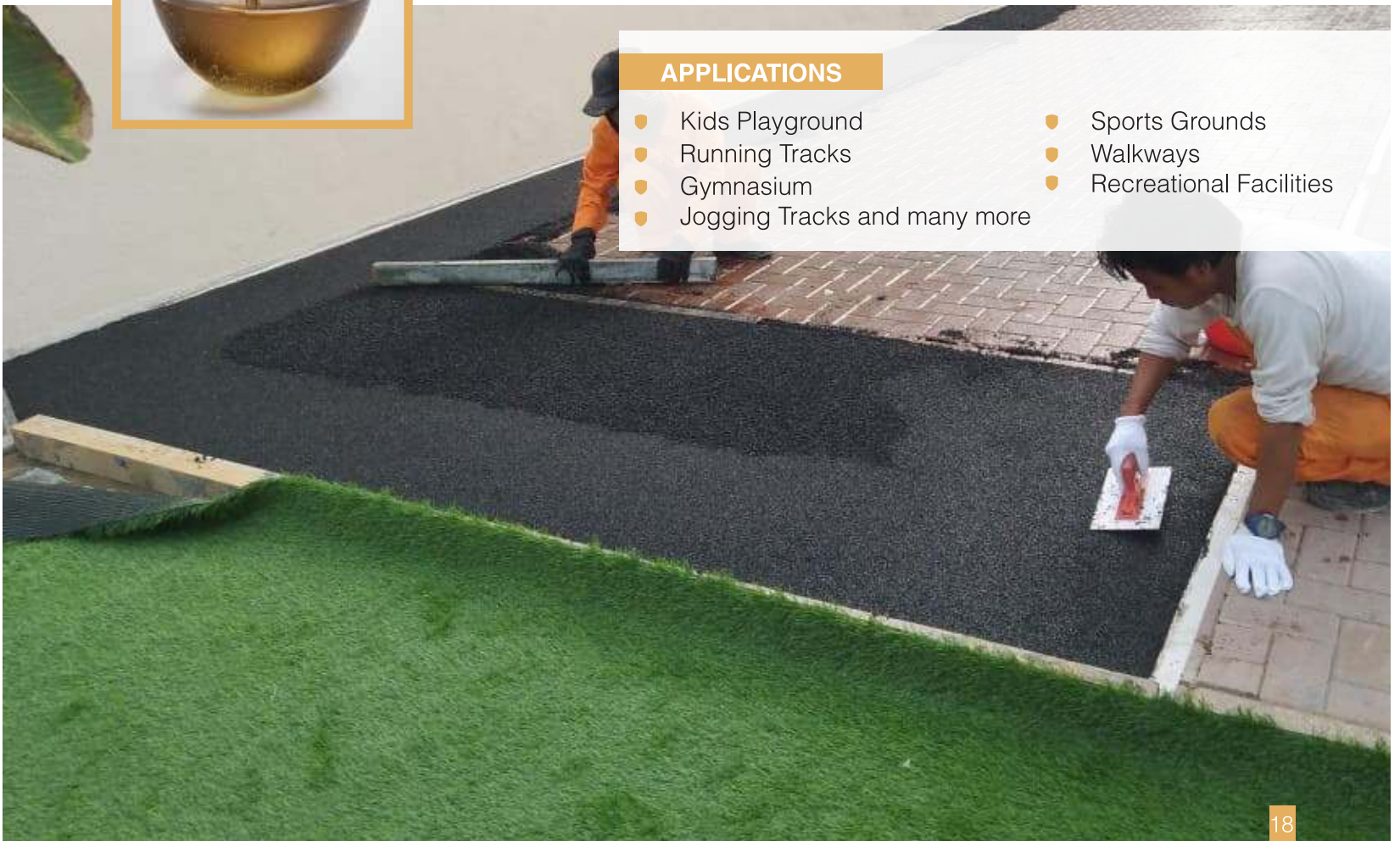
A good mixing should be performed using a 300-600 rpm mixer for 2-3 min to achieve the good uniformity. PFS Aliphatic Binders are characterized by UV Resistant, anti fading qualities and are mainly used for light coloured EPDM surfaces.



Excellent adhesion for
superior tensile strength
and durability.

APPLICATIONS

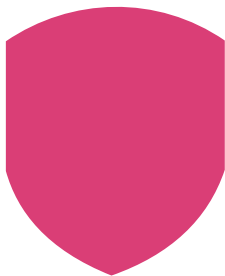
- Kids Playground
- Running Tracks
- Gymnasium
- Jogging Tracks and many more
- Sports Grounds
- Walkways
- Recreational Facilities



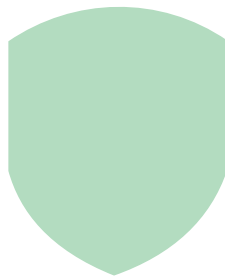
PFS COLOUR CHART



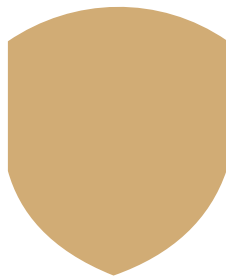
ACRYLIC AND POLYURETHENE SPORTS SURFACE



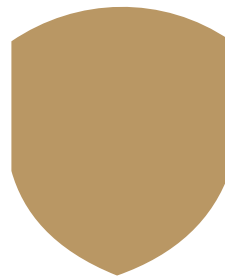
PFS-C01



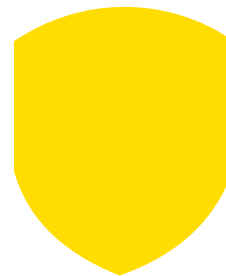
PFS-C02



PFS-C03



PFS-C04



PFS-C05



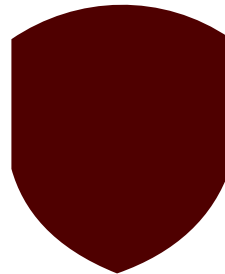
PFS-C06



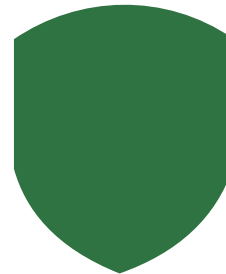
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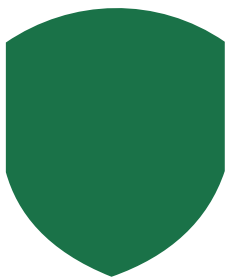
PFS-C08



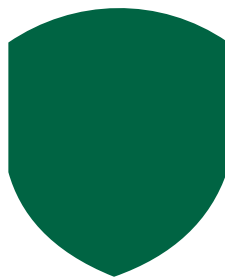
PFS-C09



PFS-C10



PFS-C11



PFS-C12



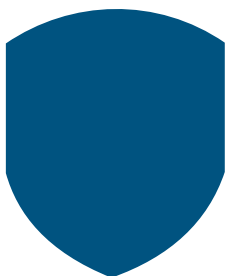
PFS-C13



PFS-C14



PFS-C15



PFS-C16



PFS-C17



PFS-C18



PFS-C19



PFS-C20

The colour may slightly vary from the original due to digital representation

SYNTHETIC SPORTS SURFACE



Competition / Stadium
Training
Multipurpose / School sports



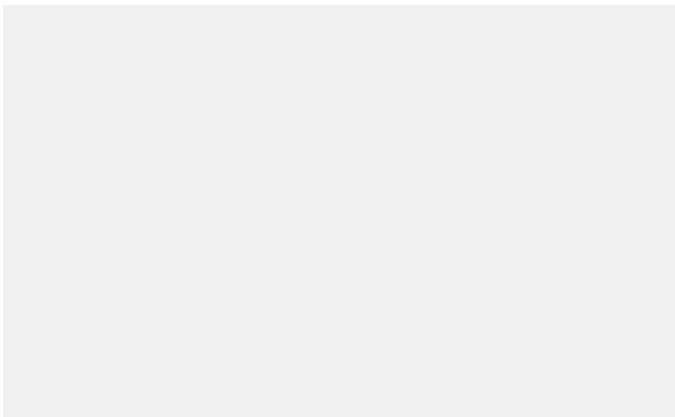
Football
Hockey
Multisport



WE ARE COMMITTED TO PROVIDE
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