



CCGrass

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Leading Artificial Grass Manufacturer

CCGrass is the largest manufacturer of artificial grass in the world, who is dedicated to providing the best artificial turf system to both sports and landscape applications. After more than 15 years of focused development, CCGrass products have served various clients from different regions with different needs, including professional football clubs, government bodies, schools, and countless households around the world.

CCGrass products have been installed in more than 100 countries with an annual volume of over 35 million m².





ISO14001

ISO9001

Largest and Well Managed Factory

CCGrass started artificial grass manufacturing since 2002 and now the company owns the world's largest factory of artificial grass with an annual capacity of over 40 million square meters. The factory is about 500,000 square meters in area with about 2000 employees carrying out every step of artificial grass manufacturing, including yarn extrusion, yarn twisting, turf tufting and backing finishing. Each step is equipped with the most advanced equipment and is finished under strict quality control system.

The factory is also considered as one of the best-managed factories in the industry. The factory complies with ISO9001, ISO14001 and has passed various kinds of strict factory audits such as BSCI, WFSGI, ICS, and etc.



500,000m²
Factory Area



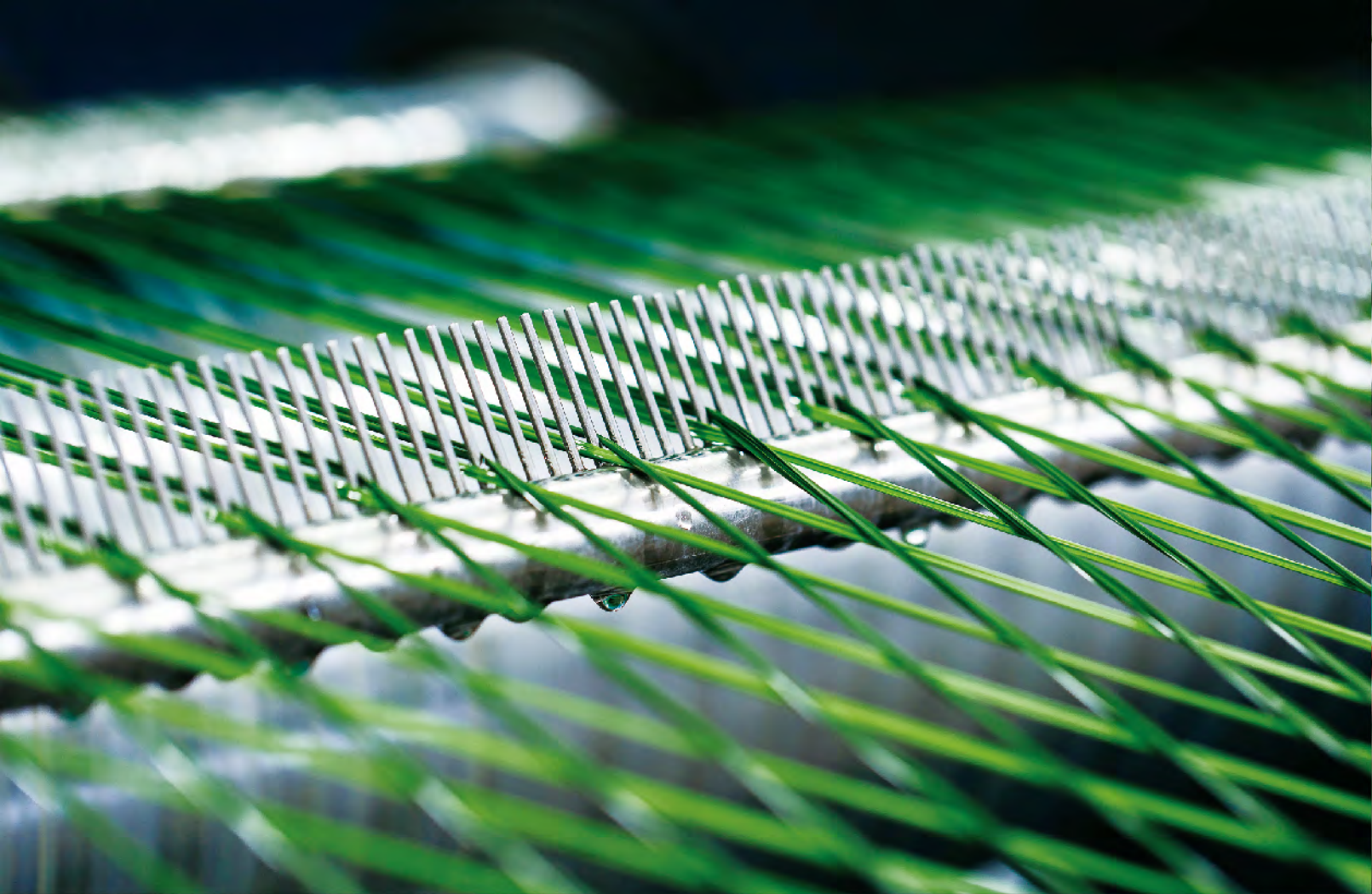
>15 years
Manufacturing Experience

>40 million m²
Annual Capacity



2000
Staff





Second to None Quality

CCGrass has an ongoing commitment to quality. Based on more than 15 years product development and manufacturing experience, CCGrass products meet the highest standards of leading sports organizations, such as FIFA, World Rugby, FIH, ITF, etc.

CCGrass chooses the very best quality of raw material with strong UV stability to make sure our grass keeps fresh & green over years. In addition, to avoid health threats during contact, CCGrass grass proves to contain no lead, no heavy metals or any other harmful chemicals according to the highest safety standards, such as DIN, REACH, RoHS. It is even safe for kids and pets.





Olympiades Training Field, Greece

Professional Sports Grass

CCGrass has developed various sports grass for global market, including football, hockey, tennis, multi-purpose, etc. With close cooperation with world-renowned labs and continuous investment in R&D, CCGrass sports grass meets the highest standards from leading sports organizations, such as FIFA, World Rugby, FIH, ITF, etc.



Football



Hockey



Rugby



Tennis



Multi-Purpose



AREOPOLI'S-GYTHEIO, GREECE

Football Grass



The Real Top Quality

- FIFA Preferred Producer
- FIFA Quality Programme
- FIFA Quality Pro
- FIFA Quality
- Over 150 FIFA Certified Fields

CCGrass is a leading innovator and manufacturer of football artificial grass. Over the past 15 years, CCGrass has built its service network throughout Europe, Asia Pacific, Middle East and North & South America with a production volume of around 40 million square meters each year, which equals 16 full-size football fields every day. CCGrass' s high performance artificial grass products have been widely adopted by top football clubs, such as championship-winning Chelsea, Olympiacos CFP and are regularly used in international tournaments, such as the FIFA U-15 World Cup, FIFA U-17 World Cup, FIFA U-20 World Cup, 2015 Summer Universiade(Gwangju), 2017 Summer Universiade (Taipei), and the Homeless World Cup.



One of the 7 FIFA Preferred Producers in the World

The Only FIFA Preferred Producer in Asia

FIFA Quality Programme

FIFA Quality Programme

Property	FIFA Quality Pro	FIFA Quality
Withdrawal Force	≥30N	≥30N
Wear Resistance	Lisport XL 3000 cycles	Lisport XL 6000 cycles
Vertical Ball Rebound	0.6m-0.85m	0.6m-1.0m
Reduced Ball Roll	4m-8m	4m-10m
Shock Absorption	62%-68%	57%-68%
Rotational Resistance	32Nm-43Nm	27Nm-48Nm



America Football Club, Mexico

Why Should You Choose FIFA Preferred Producer?

- Factory Audit by FIFA
- FIFA Quality Programme
- Installation & Maintenance Guide
- More Opportunities for FIFA Projects
- FIFA Quality & FIFA Quality Pro Certificates
- Professional Consulting Service & Field Design

Recommendation from Chelsea

As one of the top football clubs in the world, Chelsea Football Club chooses CCGrass products for its training field.

“...
Beforehand we discussed the performance we wanted from the system to make it more realistic for the professional side of the club. The quality of surface and installation is excellent and the senior players have trained on it with nothing but compliments for its performance and comparison with top quality natural turf. Part of its success lies in its natural appearance – so much more realistic in looks, feel and performance than our other synthetic surfaces. We were very impressed with the interest shown by the manufacturer who sent their factory manager all the way from China to check the finished installation.

We spend time looking after our synthetic areas, but given the amount of use they can take this is minimal compared with a natural turf pitch.

...”

Jason Griffin
Head Groundsman
Chelsea Football Club



Olympiacos Training Field, Greece

The Choice of Olympiacos Club

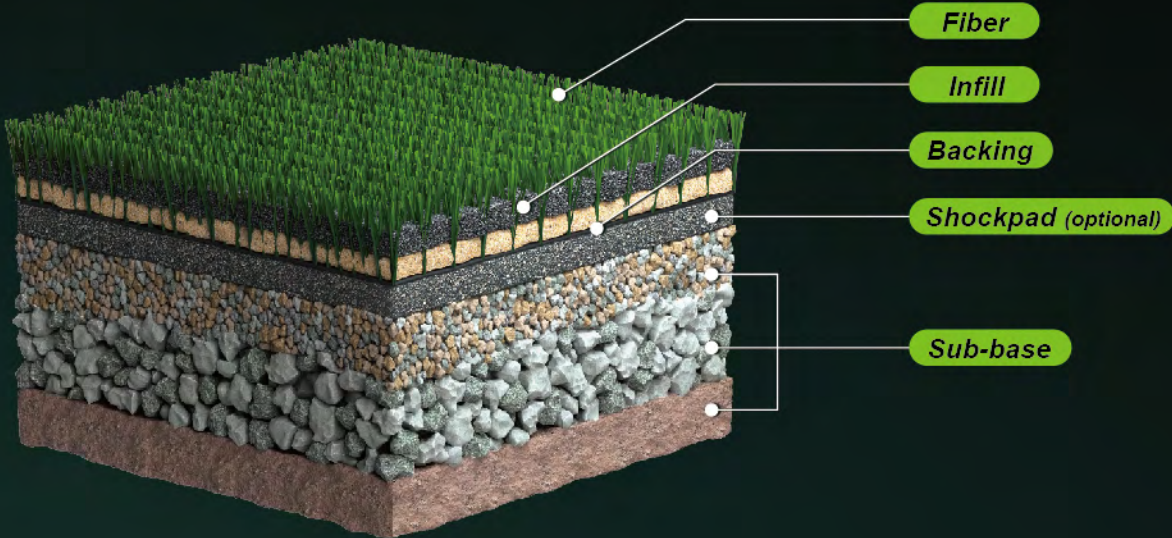
The Olympiacos Club of Fans of Piraeus is a professional Greek football club. The club is always providing the best and professional pitches for their players to accommodate extensive training. The Olympiacos Club chose CCGrass as supplier for its training field. CCGrass finished the project with premium quality and the pitch was certified as FIFA Quality Pro Field.

For Olympiacos, this synthetic surface now allows them a more flowing training session, even in winter. An artificial surface can undertake more intensive training tasks. It is also easy to manage with lower maintenance. The Olympiacos officers are highly satisfied with the natural looks, excellent feeling and perfect installation of this field. The players have high praise for its high performance and best experience.



Olympiacos Training Field, Greece

SPORTS SYSTEM



Fiber



CCGrass fiber appears and feels like natural grass which enables the players to slide, sprint, pass and turn freely on the surface. The yarns incorporate a durable and constant surface that can be used 365 days in a year.

Backing



CCGrass backing is made of multilayer woven fabric to provide dimensional stability to the whole system. A layer of coating is introduced for durability which extends the life span of the whole system. The holes in the backing allow superior drainage and easy clean-up.

Infill



Proper infill material recommended by CCGrass is vital for a safe and high-performance sports surface.

Sub-base



Stable and uniform sub-base is required for the system.

Uniquely Designed System

CCGrass sports system is engineered to imitate the performance of natural grass. We study on the biomechanics of sports movements and design systems with utmost sports comfort and minimum sports injuries. We work with worldwide institutes and laboratories to keep conforming to the highest standard of sports performance in the industry. CCGrass sports system provides the combination of sports efficiency and stability for the players.

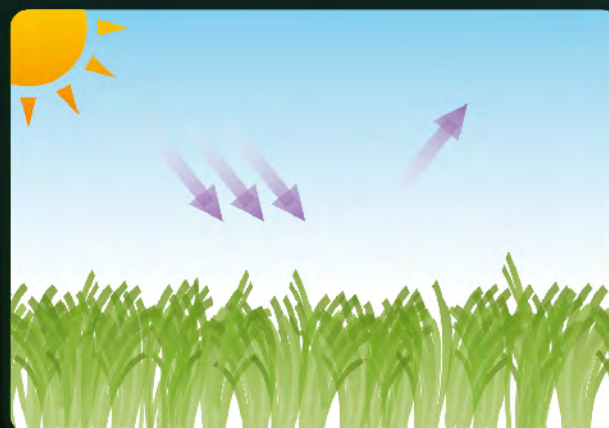
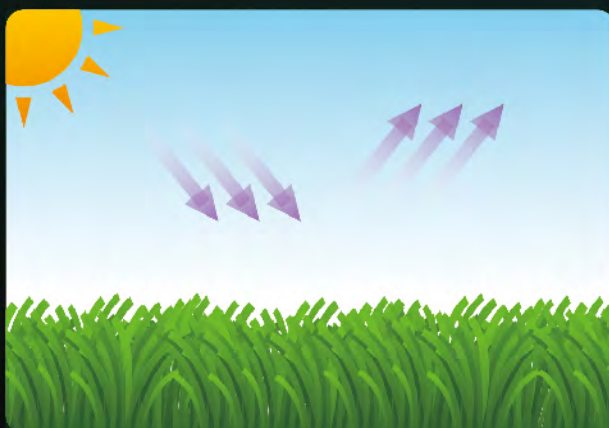


Thessaloniki, Greece

Rigorous Tests Ensure Superior Performance

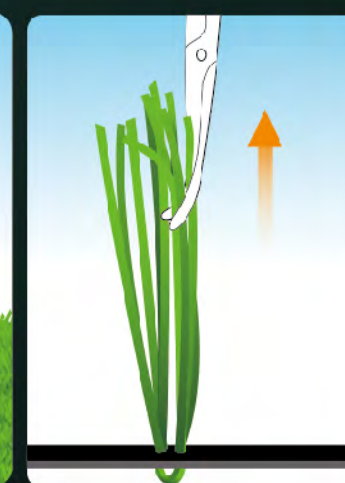
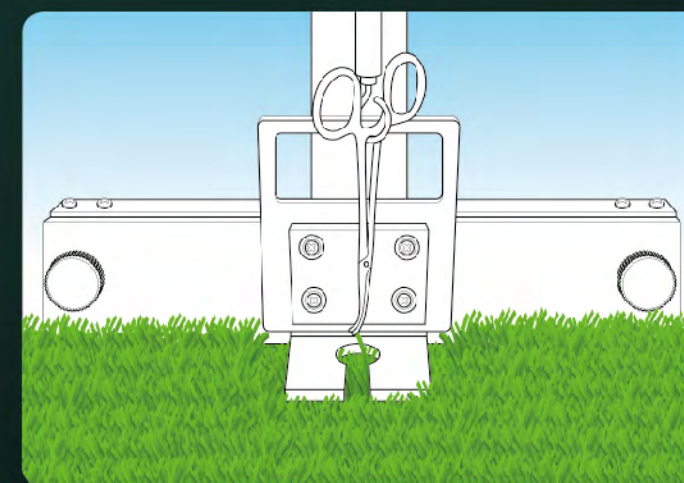
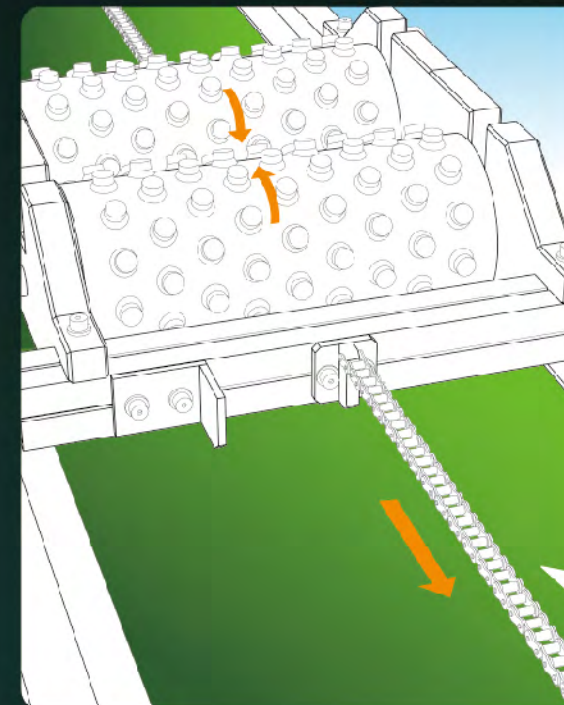
UV Test:

Artificial grass tends to degrade when exposed to long periods of sun light , which in turn results in color changing and fiber fragmentation. In UV test, CCGrass is treated with 3000 hours of artificial weathering, which simulates a period of sun lighting. After UV exposure, CCGrass keeps 4-5 grey scale, which is in line with industry standard (≥ 3 grey scale).



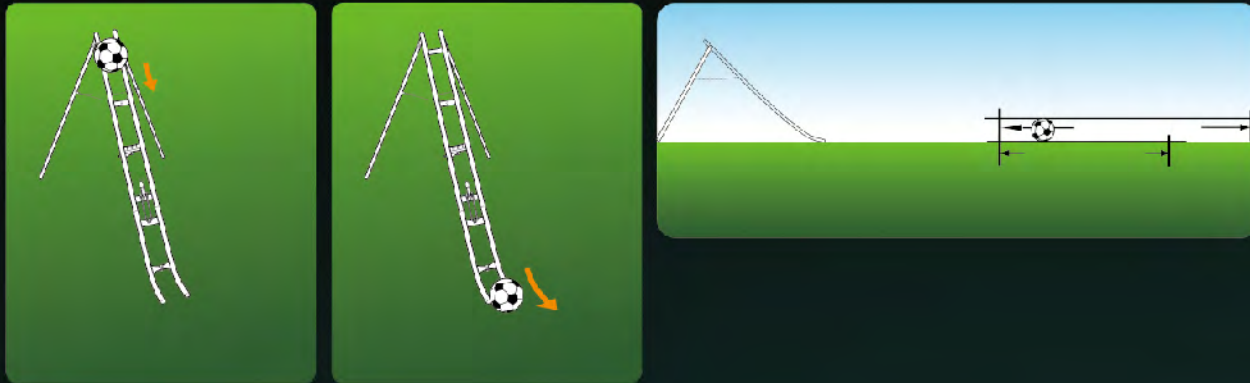
Lisport XL Test:

Lisport XL test is performed to replicate how a synthetic turf system will age in time as a result of long time usage. CCGrass keeps the fiber in shape after a minimum of 30,000 cycles. While unqualified grass easily diverges and frays with the increasing of rolling cycles.



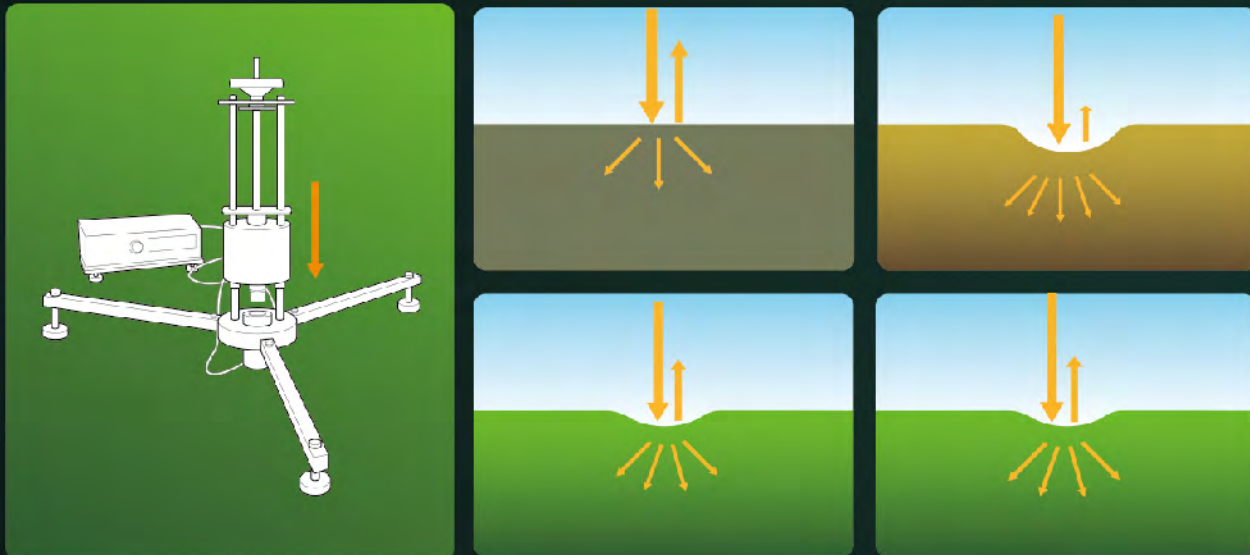
Tuft Withdrawal Force:

Tuft withdrawal force measures the maximum force used to withdraw the fiber from the backing. CCGrass avoids fiber displacement and expanding for its high tuft withdrawal force.



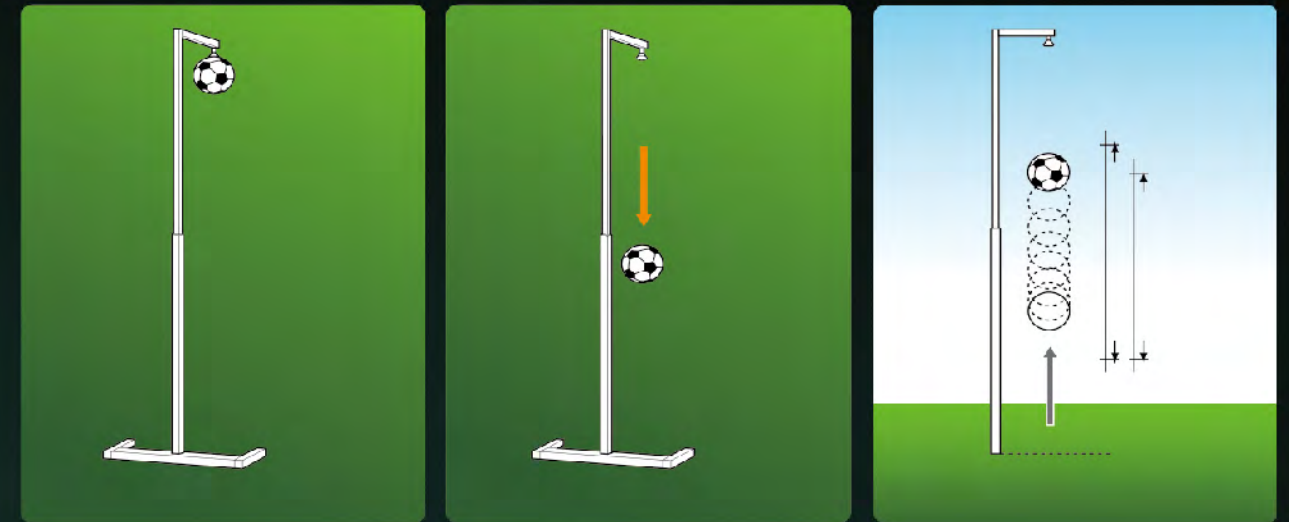
Ball Roll:

Ball roll measures the pace of the ball over the surface, which indicates whether the system is beneficial for ball control. CCGrass ball roll distance is in line with both FIFA Quality (4–10m) and FIFA Quality Pro (4–8m) standards.



Ball Rebound:

Ball rebound is measured by dropping a ball from a certain height and measuring the height it bounces back. CCGrass ball rebound is in line with both FIFA Quality (0.6–1.0m) and FIFA Quality Pro (0.6–0.85m) standards, providing good performance for both amateur and professional use.



Shock Absorption:

Shock absorption reflects the amount of energy returned to a player when running on the surface. CCGrass system absorbs 60%--70% of the energy players put on the surface, similar with the foot feeling of natural grass.



G-max:

G-max is tested to access the safety of the surface by measuring the force applied via rapid deceleration. The suggested range of g-max for a surface should fall between 85 and 160. CCGrass turf system is more stable to provide proper g-max value, reducing injury risk as natural grass does.



Abertillery Leisure Centre, Wales



Areopoli's Sgytheio, Greece



Orford Park Community Sports Hub, England



Sydney United Sports Centre, Australia



Bleik Stadion, Norway



Erdos Dongsheng Sports Center, Eroads, China



Boramae Football Park, South Korea



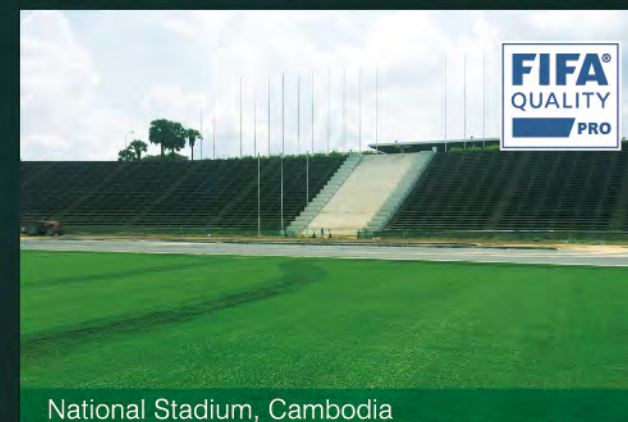
Gwangju Institute of Science and Technology, South Korea



Estadio Alberto Grisales, Colombia



Football Academy, Gyumri, Armenia



National Stadium, Cambodia



Olympiacos Training Field, Agios Ioannis RentisC Greece



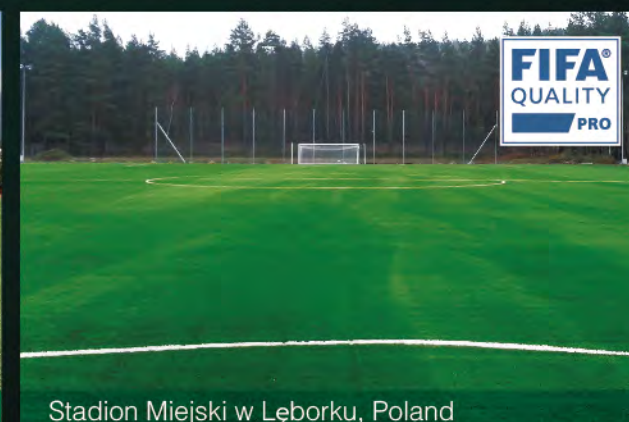
Dalianwan Sea Fever Football Stadium, China



Woodhouse Grove, UK



Taipei University Football Stadium, Taipei



Stadion Miejski w Lęborku, Poland



South Africa



Henley, UK



Hockey Grass



Under FIH (International Hockey Federation) approval system, hockey field is divided into 3 levels: Global Level (water-based), National Level (sand-dressed) and Multi-Sport Level (sand-dressed or sand-filled). CCGrass offers 3 systems for Global Level, National Level and Multi-Sport Level according to different demands. As a FIH registered company, CCGrass hockey systems meet all FIH standards in ball roll, ball rebound, impact response, etc. CCGrass global level system is qualified to play top level hockey games, such as Olympic Games and World Cup.

The Two Factors Set Us Apart

Smoothness

CCGrass Hockey Grass ensures perfect surface smoothness that offers precise ball control and rolling distance.

Color Innovation

Based on years of experiment and constant feedbacks from end users, CCGrass rolls out a special blue grass. It has better visual experience compared to traditional green grass that can fulfill our clients demand on field aesthetics.



Mullingar RFC, Ireland

Rugby Grass

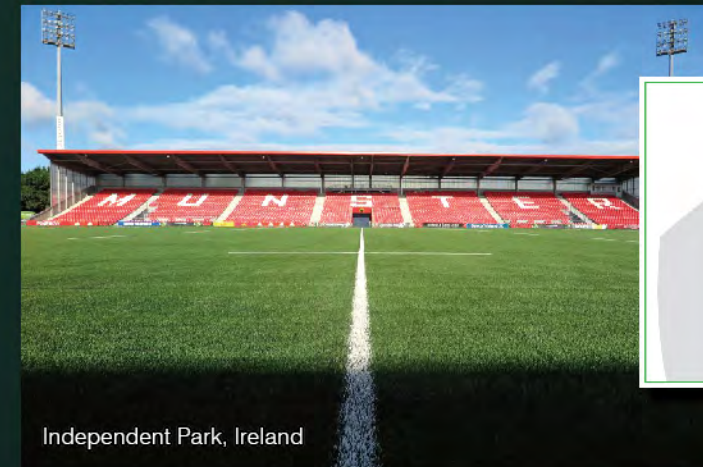


Rugby is extremely demanding on the playing surface's performance as the players encounter a high level of physical contact. CCGrass provides rugby grass system which incorporates long pile, infill and shockpad to ensure the high HIC (Head Injury Criteria) value and good energy restitution to players. CCGrass collaborates with World Rugby accredited laboratories to test the HIC for new and existing systems and whole system to Regulation 22.

Flexible Approach to Suit your Demand

CCGrass rugby turf systems are designed for full size pitches and training areas. We ensure that all our systems include a tested and approved pad, and a sand and resilient material infills. Whilst all rugby turf must be 60mm or longer in length, we offer different fibre types and shapes, as well as denser products. With this possibility of range in product design, we provide more choice without compromising the final result.

SAFE . STRONG . DURABLE



Independent Park, Ireland



Clongowes Wood College, Ireland



Stade Municipal, France



For padel has similar requirements on surface, CCGrass also offers artificial turf solution for this sport, which is now spreading rapidly in Europe and other continents.



Tennis Grass

According to Court Pace Rating, there are 5 categories for tennis court: slow, medium-slow, medium, medium-fast and fast. CCGrass provides ITF (International Tennis Federation) certified tennis turf for medium-slow tennis court. Its tennis system also features attractive look and comfortable feel that adds value to your community or commercial area.





Ireland

Multi-purpose Grass

Over the years, CCGrass multi-purpose systems of high-performance have served a great number of universities, communities and amateur clubs to fulfill their needs to maximize function from one single investment.



Japan

Maximized Function from
One Single Investment



National Polytechnic Institution, Mexico

In addition, to help clients avoid the complexity of a multi-purpose field, CCGrass handles the time-consuming designing process for our clients and provides guidance that guarantees easy installation and strong playability.

CCGrass Landscape



Australia

SERVING **600** | HOUSEHOLDS
EACH DAY

Chasing barefoot with your children and pets, lying on the lawn with your family and friends, bathing in sunlight by the swimming pool, enjoying a cool drink on the roof garden...

CCGrass Landscape Solution helps you to enjoy an easier life with green and natural feeling under your feet.



New Zealand

- Residential
- City Landscape
- Commercial
- DIY
- Pets
- Golf



- Max UV Defence
- Grey scale "5" score (UVB)
- Designed for strong sunlight areas



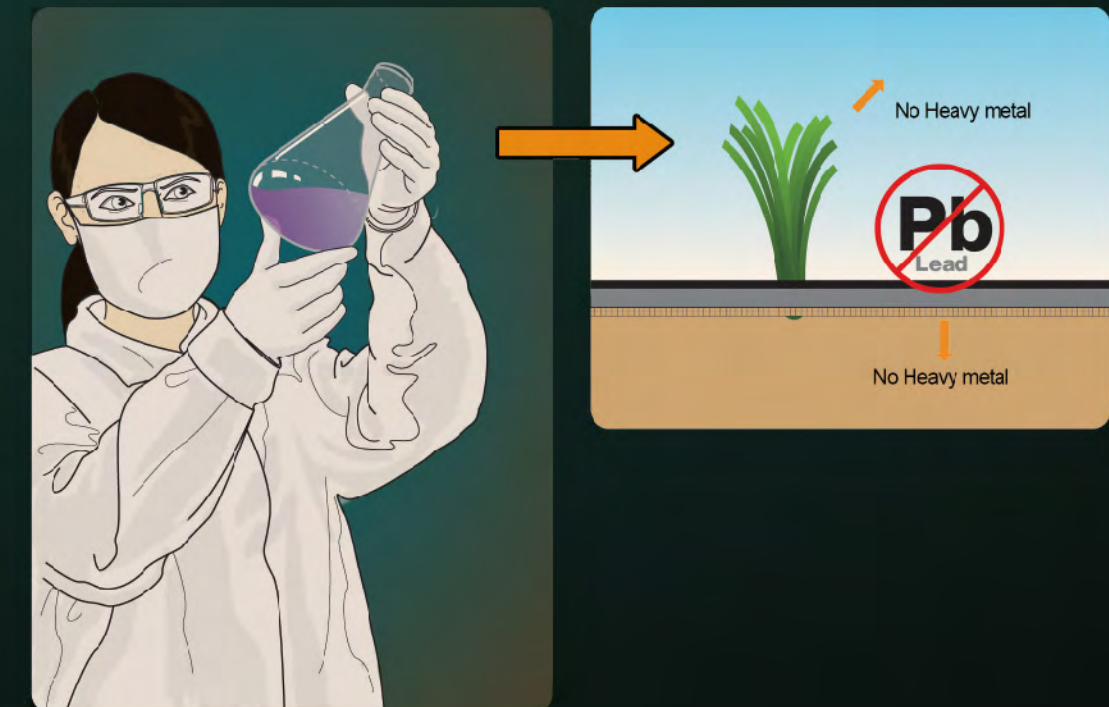
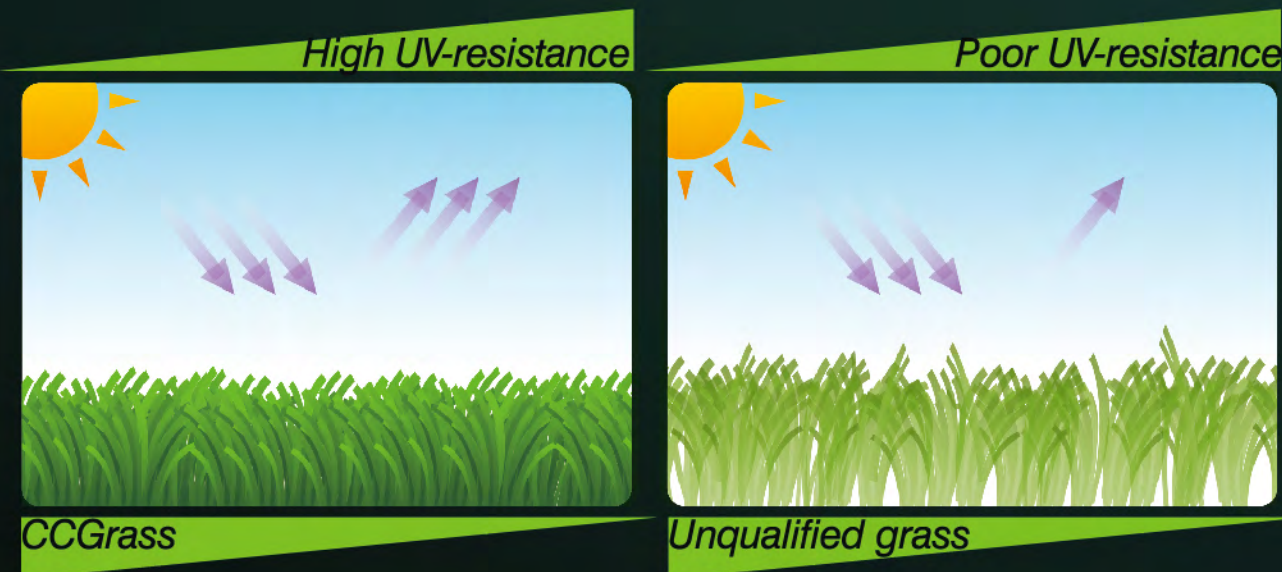
- Lead free
- Heavy metal free
- No substance of very high concern

CCGrass UV Defender Keeps Your Lawn Fresh & Green

CCGrass landscape is characterized by the UV-defending ability, which can be evaluated by the accelerated "UV ageing test". CCGrass landscape can fulfill all your needs since it has passed both UVA ageing test and UVB ageing test for fierce 3000 hours, which guarantee longer lifespan in outdoor use.

CCGrass Health Protector Guarantees Safety for Your Family

CCGrass landscape is proved that there is no detectable trace of lead according to California's Prop 65, which is the strictest standard for lead content of the world. Except for lead, other hazardous elements and heavy metal, such as Cd, Hg and Cr can also cause health problems. CCGrass landscape is free of all these hazardous substances.



CCGrass References



Bulgaria

Commerical



USA

Golf



UK

Balcony

City Landscape



Qatar



Australia

Road Verges



USA

Playground



China

Roof



UK

Garden



Indoor

Thailand

Our Service

To ensure our clients' highest satisfaction, CCGrass has developed an all-round service system targeting different phases of business operation.

Consultancy

Consulting service makes sure you have the most suitable product systems for your sports fields or landscape applications. Our sales team is trained to give the best solution according to your needs.



Field Design

We offer free service for field design and installation design. Each sports or landscape field is tailor-made in our factory. Our accurate design makes it easy for your transportation, installation and minimize the waste.



Logistics

Wide network of logistic service assures that the products are delivered to our clients in different countries promptly with economical solutions.

Marketing

We help our worldwide partners and clients to promote artificial grass in their local market and offer a whole package of marketing tools, including brochures, videos, product flyers, etc.

