



RAISING THE BAR

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DELIVERING RELIABLE SUSTAINABLE AND INNOVATIVE SPORTS INFRASTRUCTURE FACILITATING COMMUNITY PITCHES, MOBILE APPLICATIONS AND STADIUMFIELDS

ABOUT RSI SPORTS

RSI SPORTS continually researches and sources innovations and new developments that tie in with our vision and ambition to deliver perfect pitches for all popular sports no matter the climate, geographical or financial challenges experienced.

The reliability and sustainability of products we use are key, yet we are not afraid of embracing and adopting ground-breaking views and proven innovations. That is why you will see RSI SPORTS infrastructure at clubs and places that set the tone and pursuing raising the bar.

RHENAC SPORTS LED

Revolutionary LED grass grow technology that covers the Complete Light Spectrum. Support grass growth with pinpoint accuracy.

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GRASS 2 GRASS

100% reusable artificial turf that can be converted into new artificial turf for sports. The first turf that adheres to the EU 2030 norms on circularity closing the loop.

DUOL AIRDOMES

Robust temporary indoor structures with a possible Class A energy label saving energy costs. A multiple layered system allowing for easy build up, higher safety standards and lower energy costs.

VERSACOURT

Interlocking plastic tiles that deliver unique indoor- or outdoor multi-game sports flooring that can be used by all sports.



INSTANTPADEL

An easy to assemble mobile padel court that makes padel possible everywhere. From rooftops to parking lots, tohotels and to padel operators and clubs

TURFPANELS

A single solution that delivers drainage and impact attenuation for artificial turf sports as well as landscaping surfaces.

FIKAGEAR

Specialist supplier for H5s boardings, picthes and goals. FIKAGEAR focuses on innovative Hockey training materials.



OUR BRANDS

How we help spread the love for the game

Facilitate sports at sites that were, historically, not suitable for hosting sports. Mobile court versions are available for all sports.

HOCKEY

How we help hockey grow? Being a partner of the European Hockey Federation (EHF) and multiple national federations , RSI SPORTS equipment is used to develop the sport

HOCKEY 5'S

How we help develop a game? The different Hockey5s boarding of RSI SPORTS was the first to be approved by the FIH, thereby setting the benchmark.

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FOOTBALL

How we facilitate new investment concepts? Leasing concepts for artificial turf surfaces have become possible, thanks to our Grass2Grass 100% sustainable surface.



RUGBY

How we deliver the highest safety? in rugby. The highest possible safety and best possible game experience, thanks to our Turf Panel shock absorbing and impact attenuation.

BASKETBALL

How we customise basketball? courts. Our innovative 3D printing solution (patent pending) enables us to print any logo or finish on your customised court..

PADEL

How we make padel possible? We make padel possible anywhere and everywhere. With the help of fully mobile and modular courts.

Ke

SPORTS WE FACILITATE

Raising the bar on Sports Infrastructure Indoor as well as outdoor concepts.

OTHER GOLF NETBALL VOLLEYBALL HANDBALL



WHEN FORCES UNITE EFFICIENCY DOUBLES



RAISING THE BAR ON GRASS GROW LIGHTING

Rhenac Sports LED is the only grass grow technology that is capable of delivering the Complete Light Spectrum (CLS). This ensures that the grass receives the exact amount of light in the colour and wavelength the grass needs and with pinpoint accuracy.

The study of grass

Rhenac Sports LED draws from an eight-year scientific study in grass-need before it translated the knowledge about grass particular needs to technology. By using high-quality LED technology, Rhenac Sports LED can produce the many different colour combinations required to stimulate germination, increase sward density or accelerate photosynthesis.





Full stadium

The supplementing of light, irrigation, liquid fertilisers or heat (extraction) can be fully automated. The technology can be fitted on mobile units that can be placed on the surface or integrated into an automated system that is part of the venue.

Various systems

Rhenac Sports LED has several units that can work individually or in tandem. We also have a fully integrated system that can be incorporated into the stadium bowl.



60%

12

40%

more root growth when used in winter

Minimum savings

in energy, water

and fertilizers

feasible

years of academic research experience in grass need, with TU Munich

Complete Light Spectrum

Rhenac Sports LED was the first to embrace LED technology for its grass grow rigs. LED has the ability to instantly deliver any colour light, light wave or light intensity. Together with scientists from the Technical University of Munich, Rhenac Sports LED established that grass prefers a different light setting for each life stage. Rhenac Sports LED used this knowledge to acquire the required LED technology and to program it accordingly. The technology Rhenac uses is also capable of delivering the infrared and ultraviolet light the grass needs.

REDEFINING PERFECT IN PERFECT PITCH MANAGEMENT









More information

R-BL 1750

This fully automated and integrated grass grow system has been designed for use in professional venues. It integrates grass grow lights, sprinklers, fertilising and disease blocking technology, ultraviolet and infra-red light as well as data-gathering technology.

Smartly operated

The technology is guided by data from a data lake that is fed by the Rhenac field analyser, various sensors in the surface, smart cameras, databases with historical data and weather stations, to name a few. The collected input continuously updates and improves the settings of the technology.

By creating a smart and fully integrated grid, the Rhenac Sports LED technology can help achieve significant savings in the entire supply chain.

Find out more: Veltins Arena case study Santiago Bernabeu information

R-ML 200

These RM-L 200 interconnected Rhenac Sports LED grass grow units can span 600-800m² a week. Each unit is controlled individually, allowing the unit to answer the specific needs for particular sections of the field simultaneously.

Perfect support

The technology compensates and strengthens the grass in venues where venue design or positioning affects the natural supply of light, water or oxygen.

Grass care

Units are easy to manoeuvre, to position and to activate, thus facilitating easy use and regeneration of the surface in between different events.

Find out more: Santiago del Estero:

K.R.C. Genk:







R-ML 100

The Rhenac R-ML 100 hands groundsmen the flexibility of supplementing light to areas that require additional support. Multiple units can be interconnected according to a customised configuration.

Maintaining temperature

Each rig is fitted with an infrared heating unit and can work in tandem with the subsoil heating system. In doing so, the yield by the Rhenac Sports LED rig increases when used during winter.

R-ML 50

The R-ML 50 is the groundsman's first-aid solution in his toolkit. This light and easy to manoeuvre unit stimulates recovery of areas that experience heavy traffic. Goal mouths and penalty areas are good examples.

Predictable surface

The unit delivers a flat and predictable surface which will be beneficial to both strikers and goal keepers. The increased sward and improved natural surface also hands all players a safer surface.

Find out more:

PEC Zwolle case



About CLS light technology

CLS lights are made up of multiple units that each consist of three luminaires that produce either white, blue or red light. Combined, they can produce any colour of your liking. CLS LED grass grow technology has multiple advantages over HPS-technology:

- It delivers a better quality light;
- It delivers the required light instantly;
- It can be used more flexibly;
- it consumes a fraction of the energy consumed by HPS-technology;
- it is less prone to malfunctioning;
- a failing LED will not impact the productivity of the unit.

CLS DON'T JUST TURN ON LED TURN ON CLS



RAISING THE BAR ON SUSTAINABLE AIRDOMES

Delivering comfort and low-maintenance DUOL airdomes are the only airdomes in the world that have an energy label. The temporary and vandal-proof structure is easy to erect or dismantle and hardly requires any maintenance.



Multi-layer ernergy saving

DUOL airdomes use a double or triple membrane to create multiple air pockets. These various air pockets act as an insulating layer and prevent the structure from catastrophic collapse. A special access portal prevents heat loss when players enter or leave the dome.

Solid structure

The dome uses a unique and strategically placed anchoring system to fix the structure to the ground while keeping damage to the existing surface to the absolute minimum. No cables or netting are used for this purpose.

Little maintenance

In the absence of cables or netting, snow as well as organic material will always immediately slide off. This limits the chances of collapse to almost zero and prevents the translucency of the fabric being affected by dirt.

Safe structure

A weather monitoring unit in the top of the dome pressurises the structure in case a storm is building up. The unique design of multiple air filled pockets makes spontaneous collapse of the structure almost impossible.



Case study: HC Voordaan



Case study: HV EHC

ISO 9001 Compliant 1600 Number 600 of objects covered 150-Pressure

150-250 Pa

measured inside

Thermal comfort

Providing thermal comfort at an affordable price is a very delicate process that requires multiple aspects coming together. DUOL uses a double or triple membrane to capture air in individual pockets that can achieve 3W/m2K or even 0.9W/m2K. These airtight pockets prevent the cold from entering while maintaining a comfortable indoor climate. This includes a comfortable indoor pressure level, something that is often different at existing structures.

A DUOL airdome is heated by an oil or gas fired heater that is managed by its own building management system. A special door lock complements the structure to block the cold.

GLOBAL LEADER IN AIR SUPPORTED STRUCTURES.







Seasonal Installation/dismanteling

As membranes are factory welded together, the installation process is extreme fast. Membrane should only to be spread, connected and anchored and the erection of the dome can be made. This operation can take only a few hours. The same is in seasonal dismantling. As the cable net system requires spreading of different layers, connecting them and afterwards installation of metal net, the installation/dismantling process in significantly longer and costs are higher.

Internal pressure

The pressure kept in the DUOL domes is minimal, from 150-250 Pa in normal situations, what ensures perfect stability in all weather conditions and less energy consumption. Compared to cable net system, which due to its weight requires much bigger internal pressure (250-400Pa).

Airdome inclination

RSI airdomes are more space-efficient with more vertical walls - more playable area and overall greater indoor experience. Compared to cable net system, where cables are pressing structure to the ground. There is less indoor space both in vertical and horizontal directions.

Durabilitty / life expectancy

With DUOL Double Membrane System, the replacement of the membrane is not required and the life expectancy is extended to 40+ years, based on tests, experiences and existing projects. Compared to cable net system, where the layers have to be replaced every couple of years due to friction between cables and fabric and UV degradation of non resistant foil.

Rigidity

Thanks to DUOL expanded double membrane system, the domes are very rigid and vandalism resistant. In case of any damage on the outer membrane, the inner membrane still hold the proper air tightness and consequently pressure – airdome stability. Compared to cable net system, where in case of any membrane damage there are big air losses and the structure stability is jeopardized.

Fire resistancy

- M2/NFP 92-507
- TEST 2/NFPA701
- CSFM T19
- B1/DIN 4102-1
- BS 7837
- B1/ONORM B 3800-1
- M2/UNE 23.727
- VKF 5.3/SN 198898

Compared to cable net system, the layers are not fire safe, in fact some layers are extreme flammable, which presents a great risk to the whole of the structure.

Anchoring

- M2/NFP 92-507
- TEST 2/NFPA701
- CSFM T19
- B1/DIN 4102-1
- BS 7837
- B1/ONORM B 3800-1
- M2/UNE 23.727

14 Powered by RSI Sports Group



DUOL DM-System PLUS

- Larger pocket width
- Thicker air pocket
- Lower heat transfer coefficient (U)
- Unique anchoring system

DUOL DM-System Thermo (DM System without thermal bridges)

- Large pocket width
- Thicker air pocket
- More static air
- Lower heat transfer coefficient (U)
- Special design of membrane no thermal bridge
- Unique anchoring system

RAISING THE BAR ON PADEL FACILITIES

Instantpadel supports the growth of the world's fastest growing sports by delivering a padel court instantly and can be built almost anywhere. The court can be installed permanently, used to rotate between different locations or to offer padel as a temporary low-entry alternative for facilities that (temporarily) are not being used.



No groundworks

The installation of an Instantpadel court does not require significant engineering or groundworks. This is in line with the RSI SPORTS philosophy and vision of providing Reliable, Sustainable and Innovative sports solutions, no matter the site, budget or geographical location.

Easy install

The click-and-play supporting legs that act like an anchoring system, make it possible to install an Instantpadel court within hours. The concept also means that the Instantpadel court can be installed ON almost any site or surface.

Maintenance free

RSI SPORTS uses VersaCourt tiles to deliver an ITF-approved surface. The tiles are finished with a special coating to facilitate outdoor use and to deliver the required grip. They are available in any colour of your liking.







Maximum height of our walls

> 4 hours Installation time

1/3 Weight compared to a conventional court

InstantPadel

Instantpadel courts are very popular with clubs, municipalities, schools and property developers.

The court hands clubs and schools a (temporary) additional sport to offer their learners or members.

Municipalities see the advantage of its mobility by rotating an Instantpadel court between suburbs in an attempt to stimulate exercising and sports participation by their constituency.

Property developers recognise that Instantpadel attracts more people to their estate or visitors to their shopping mall.



Scan to find out more

INSTANTPADEL CREATING UNLIMITED OPPORTUNITIES







Sports clubs & housing estates

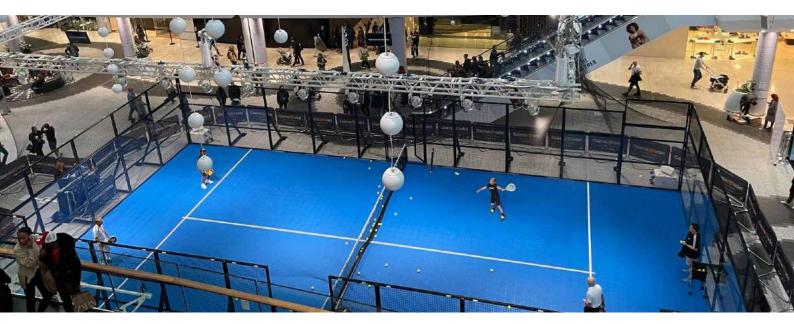
- Offer members and players an exciting opportunity to improve their health and to engage in competitions
- Small footprint, comparable to that of half a tennis court
- Weatherproof, no specialised maintenance required

Hospitality & commercial facilities

- Draws footfall
- A temporary workout and entertainment solution
- Can be installed or removed within hours
- Is made of high-quality but lightweight material

Events

- Offer guests something different
- Easy to transport, install and disassemble
- No preparation of the surface or heavy duty equipment required.



INSTANTPADEL







RAISING THE BAR ON SPORTS FLOORING

VersaCourt tiles provide a lasting, low maintenance multi-game surface. These courts can be installed in the hood, at school, at clubs or shopping malls as well as at private homes. A special coating provides the required grip and playing characteristics.



Completely multi-purpose

A VersaCourt can be used for games like football, basketball, tennis, hockey, netball as well as Hockey5s. The quality and performance has already been internationally recognised.

Click and play

The tiles are easy to install and don't require heavy duty equipment or extensive groundworks. The open structure of the tiles facilitates the drainage of water.

Stimulating sports

The ease of installation and its light weight allow a VersaCourt surface to be installed anywhere. RSI SPORTS already has experience with installing at shopping malls, on rooftops, in parking lots and even on boats.



Number of different product solutions available

Number of different sports

Roll-over

weight allowed

60k

pounds

Personal touch

RSI SPORTS has developed a patent-pending solution that uses technology to finish each tile. This enables us to supply tiles in any colour of your liking, create logos, murals or paintings or deliver a certain grip or ball roll performance.

This personal touch will help deliver a court that matches your club or corporate colours and is truly a unique fit.









Game Outdoor Tile

- The Game Outdoor court tile was designed and developed for outdoor multi-sport applications;
- The innovative tile design and our unique six-point locking system creates a seamless playing surface that allows for consistent ball bounce.

Active Compete

- The Active court tile is predominantly being used in courts for driveways or
- parking areas;
- It can withstand up to 60,000 pounds of rollover weight.

Compete indoor

- The Compete systems solutions are exceptionally durable and require little to no maintenance;
- High performance, a durable system ideal for hosting a wide variety of activities.

Boost Tile

- Boost Tiles are designed to provide a durable, safe and functional game court for backyards and driveways;
- They are made from a specially blended, high-impact, copolymer polypropylene that lasts for years.

Pro Tile

- The innovative tile design of our Pro Tile and our unique six-point locking system create a seamless
- playing surface that allows for consistent ball bounce and response and unmatched playability.









THE ULTIMATE ATHLETIC COURT SYSTEM

COMMERCIAL

DESIGN YOUR OWN

RESIDENTIAL

RAISING THE BAR ON INNOVATIVE BASE CONSTRUCTION

RSI SPORTS Turf panels provide drainage and shock absorption to artificial turf surfaces simultaneously. The panels are easy to handle and to install and the installation process doesn't require extensive groundworks or heavy-duty equipment.

Always a dry surface

The drain slots in the panel facilitate a horizontal or vertical waterflow that exceeds the drainage capacity prescribed by FIFA. Water can either be guided to the subbase or, when installed on an impermeable layer, to the side of the artificial turf surface.

Comfortable surface

The engineered design provides the panels with shock absorbing and impact attenuation characteristics. Tension exercised on the Turf panels is directed horizontally, which significantly reduces the jarring of the joints.

Safe surface

A RSI SPORTS Turf panel combined with a 60-mm third-generation artificial turf top layer complies with the HIC requirements dictated by World Rugby.



Easy to install

The installation of RSI SPORTS Turf panels doesn't require special tools or skills and does away with the need for groundworks or excavation. The panels measure 100x100x3 cm. This makes them the solution of choice for landscaping projects in difficult to access areas.

Facilitating reuse of water

When connected to a water storage solution, RSI SPORTS Turf panels facilitate the reuse of water for watering plants, topping up pools or washing the car.





tested without

A unique approach

RSI Turf panels are one of very few solutions that delivers drainage as well as impact attenuation simultaneously. They facilitate the installation of gardens, playgrounds or (mobile) sports fields in carparks, shopping malls, town squares and even on rooftops.

The panels are produced in Europe and are made of recycled polypropylene.









Sports

- The drainage and shock absorbing capabilities exceed those prescribed by the sports governing authorities;
- The unique springy properties of the panels significantly reduce the jarring of joints.



Landscaping

- RSI SPORTS Turf panels enable contractors to always install a safe and well-draining surface no matter the challenges posed by the site;
- The easy-to-handle panels don't require any special skill or tool. They can even be installed by novices.





Rooftops & Playgrounds

- The lightweight structure makes it possible to install artificial turf in areas where this was impossible in the past. Think of rooftops or inside buildings;
- Kids can now always have access to a safe and exciting playground where they can safely play and run around.







Get the fundamentals down and the level of everything you do will rise.

- Michael Jordan -



RAISING THE BAR ON GRASS CIRCULARITY

By embracing a new raw material, RSI SPORTS has succeeded in developing an artificial turf top-layer that can continuously be converted into new, high-quality artificial turf. RSI SPORTS Grass2Grass respects the Lansink Ladder, the international benchmark in recycling. It already meets the sustainable development goals the United Nations have set for 2030.

This is why RSI SPORTS can introduce a leasing concept for artificial turf surfaces. Clubs and municipalities pay only for renting the surface, while the infrastructure remains the property of RSI SPORTS. Grass2Grass already complies with the UN Sustainable Development Goals, as it is 100% re-usable in the same application

Unique raw material

RSI SPORTS is the only artificial turf innovator who never forgot that polyester is the only polyolefin that doesn't degenerate when heated. While many decided to pursue the initially much cheaper polypropylene and polyethylene as a raw material, RSI SPORTS immediately embrace polyester as soon as prices for this commodity became more mainstream.



Enabling different financing concepts

A valuable Grass2Grass surface is an asset to the industry hence this opens doors to new financing concepts, like Product-as-a-Service (PaaS) or the leasing of an artificial unburden the club or municipality. At the same time, they guarantee that users will always have a top-quality surface.

Tried and tested

Grass2Grass meets requirements dictated by the Dutch Hockey Federation (KNHB) and football association (KNVB). It has a superior ball roll and enables players to use their 3D skills, to name a couple.





REDUCE | REUSE | RECYCLE

100% 100% reusable in the same application

years experience in developing artificial turf

1st prize in the contest for most sustainable sports surface

G2G technology

Most innovative product 2022

RSI SPORTS Grass2Grass was named the most innovative product of 2022 by the Netherlands Enterprise Agency (RVO). As a result, RSI SPORTS was invited to exhibit at the official Dutch pavilion during the World Expo in Dubai. .

THINKING ABOUT THE FUTURE.



SBIR Award winning concept: Circularity artificial grass.





More information





<i>FLAYCE

TALENT DEVELOPMENT – BROAD MOTORIC SKILLS DEVELOPMENT

A varied and challenging environment entices you to exercise, play and practice sports together or alone with pleasure. With attractive colour schemes and a fresh look, a PLAYCE is the ideal addition to any sports park, neighbourhood, hospital or school. The amount of playing fields, patterns and equipment each PLAYCE offers infinite organisational possibilities to become proficient in movement.

All exercises, game forms, activities and test distances are available plug-and-play for broad motor development and versatile movement from the Athletic Skills Model[®].

EXCLUSIVE PARTNER

RSI SPORTS is an exclusive partner for building and constructing ASM facilities. Our eye for detail and quality, as well as the use of robust materials, are the best guarantee that an ASM facility meets its requirements in terms of quality and durability.







RSI Sports Turf is a specialized artificial & hybrid turf assembly and production company. We develop and construct our systems based on 20 years of experience. RSI Sports Turf people were among the first to enter 3G football markets. The Netherlands in 1998 with installations in Delft and among the very first in the European Landscape market in 2004. RSI Sports Turf works with accredited yarn suppliers such as Ten Cate, Bonar, Mattex, Radici and Wetekam to ensure quality turf. With an access to over 6.000.000 sqm in production capacity in ISO approved 9001 & 14001 factory, we guarantee good products. We have a more holistic approach on the needs and wants of our clients and we believe to have added values for new and existing customers. The values we adhere to are Reliability, Service, Partnership, and an Innovative and holistic approach. Those values sum up how we outperform our competition and give aid to our clients outperform theirs.

RSI Sports Turf is a member in good-standing of the European Synthetic Turf Council: Many turn to this association for guidance on synthetic turf. Together with its members, they have taken a leadership role in creating quality industry guidelines and education. Proud to be a member.

> More information





Enjoy inspirational flooring for your next landscaping project with Family Grass. If you need a garden lawn, outdoor flooring, playground surface, rooftop garden or any green space, the possibilities are endless with our fake grass exceptional quality artificial grass and flora, Family Grass is an artificial grass supplier with more than two decades of experience and knowledge in transforming outdoor and indoor spaces. Super realistic in look and feel, our unrivalled range of Dutch designed fake grass delivering stylish and practical design solutions to suit a variety of specific applications for homes and commercial premises.

Join the family!

We are proud of the outstanding reputation for quality in design and development we have built over 10 years. We work only with the highest grades of materials and latest yarn technology to create natural-looking, versatile and durable artificial turf installations.

> More information





RAISING THE BAR ON HOCKEY 5's INNOVATION

FIKAGEAR Hockey5s boarding was the boarding to be approved by the International Hockey Federation (FIH) for this new sport.

Three different types

FIKAGEAR has developed three different types of Hockey5s boarding to facilitate the growth of this sports at any site or club. We offer a permanent as well as a temporary boarding.

Easy to install

These boardings are made of lightweight materials, making them easy to place or remove. A special trolley is available to bring the boarding out to the field.

Commercial opportunities

The boarding can be branded, is easy to clean and can be recycled.



Hockey5s

Hockey5s is a fast and highly skilful short format of hockey. It is adaptable to multiple surfaces, environments and spaces. The game is played between two teams with four field players and a goalkeeper.

FIKAGEAR Hockey5s boarding complements the RSI SPORTS portfolio for hockey. With RSI SPORTS Turf panels and artificial turf surfaces, RSI SPORTS offers all components to install a (small-sided) hockey surface.

FOCUS ON HOCKEY



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FIH approval
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Partner up.

FIKAGEAR Hockey5s boarding is just one of the items that RSI SPORTS makes available to the European Hockey Federation (EHF). As partner of the EHF, RSI SPORTS sees to it that European elite hockey players always have the best hockey infrastructure available for an EHF tournament.

At the same time, feedback received from the players, is used to develop new products.













HOCKEY5S U22

- Perfect solution for recreational Hockey5s;
- Easy to lift and takes ± 10 minutes to install;
- 2000 x 220 x 195 mm (l x h x w);
- Weighs 5.5 kg per element / 2.75 kg per m;
- Can be upgraded to meet FIH Class 1 and Class 2 criteria.

HOCKEY5S G25

- Developed for FIH-approved tournaments (Class 1 and Class 2);
- Easy to lift and takes ± 10 minutes to install;
- 2000 x 250 x 195 mm (l x h x w);
- Weighs 6 kg per element / 3 kg per m;
- Made of lightweight reinforced composite. Finished with a foam pad on top.

HOCKEY5S T25

- Heavy-duty quality developed for permanent installations;
- 2000 x 250 x 195 mm (l x h x w);
- Made of reclaimed plastic and finished with an eco-plastic;
- Finished with a foam pad on top;
- Allows for branding or commercial messages on the boarding.

THE GAME HAS CHANGEDFASTERBETTERMORE FUN



www.fikagear.com

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