

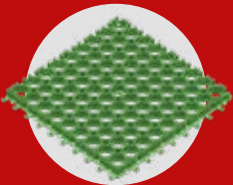


# SPORT SOLUTIONS

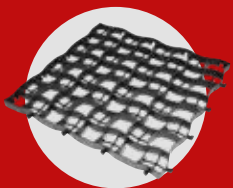
A NEW WAY TO HAVE FUN AND WIN IN SPORTS



**GRIPPER**



**GEOSKI**



**RUNFLOOR**

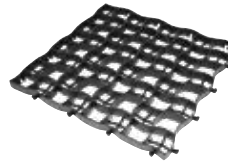
- ✓ **VERSATILE**
- ✓ **DRAINING**
- ✓ **SUSTAINABLE**

# INDEX



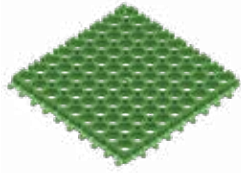
## GRIPPER 4

Multi purpose surface for practising various sports disciplines in safety and comfort.



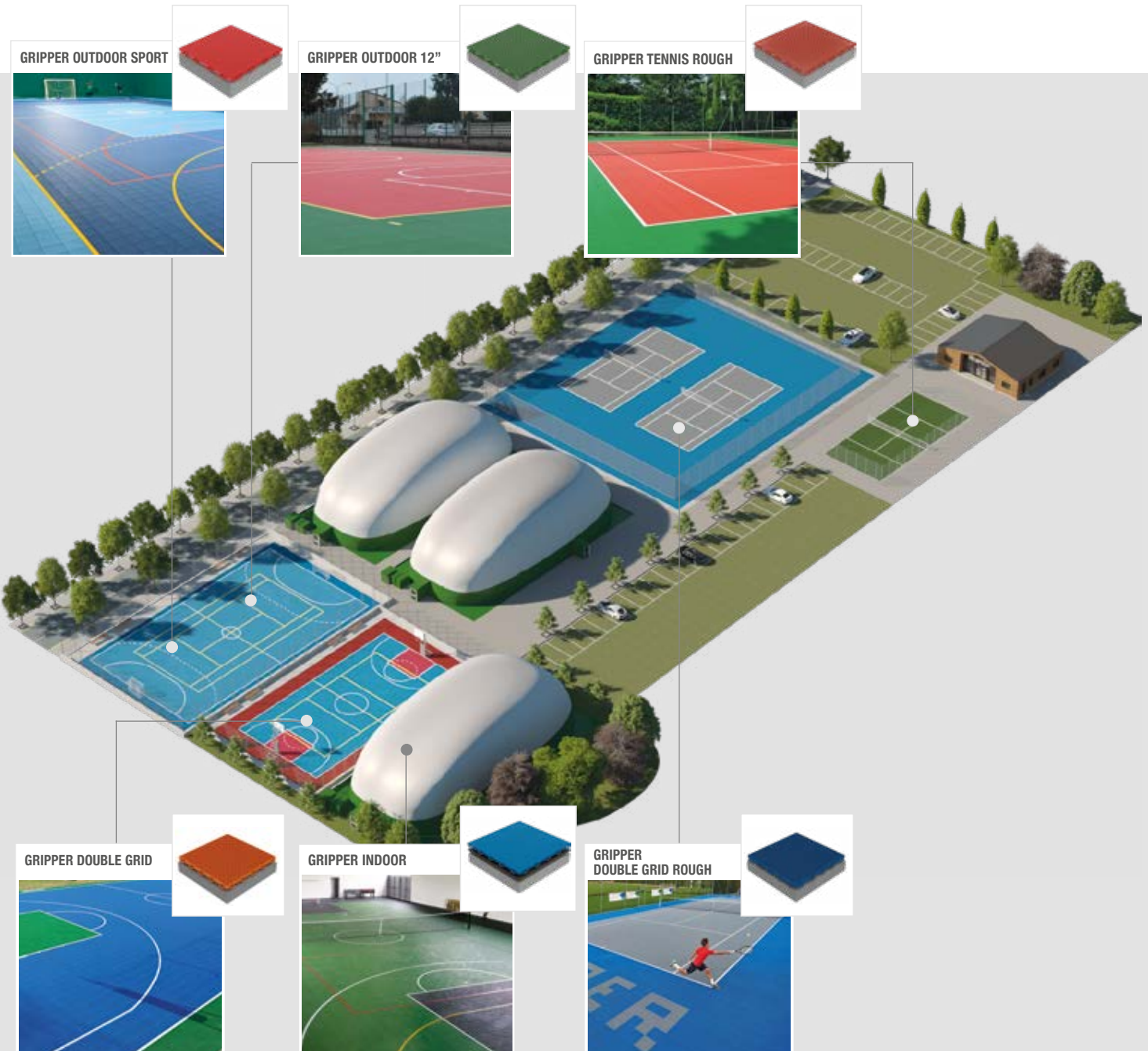
## RUNFLOOR 36

High-performance grid for the stabilisation and consolidation of equestrian ground.



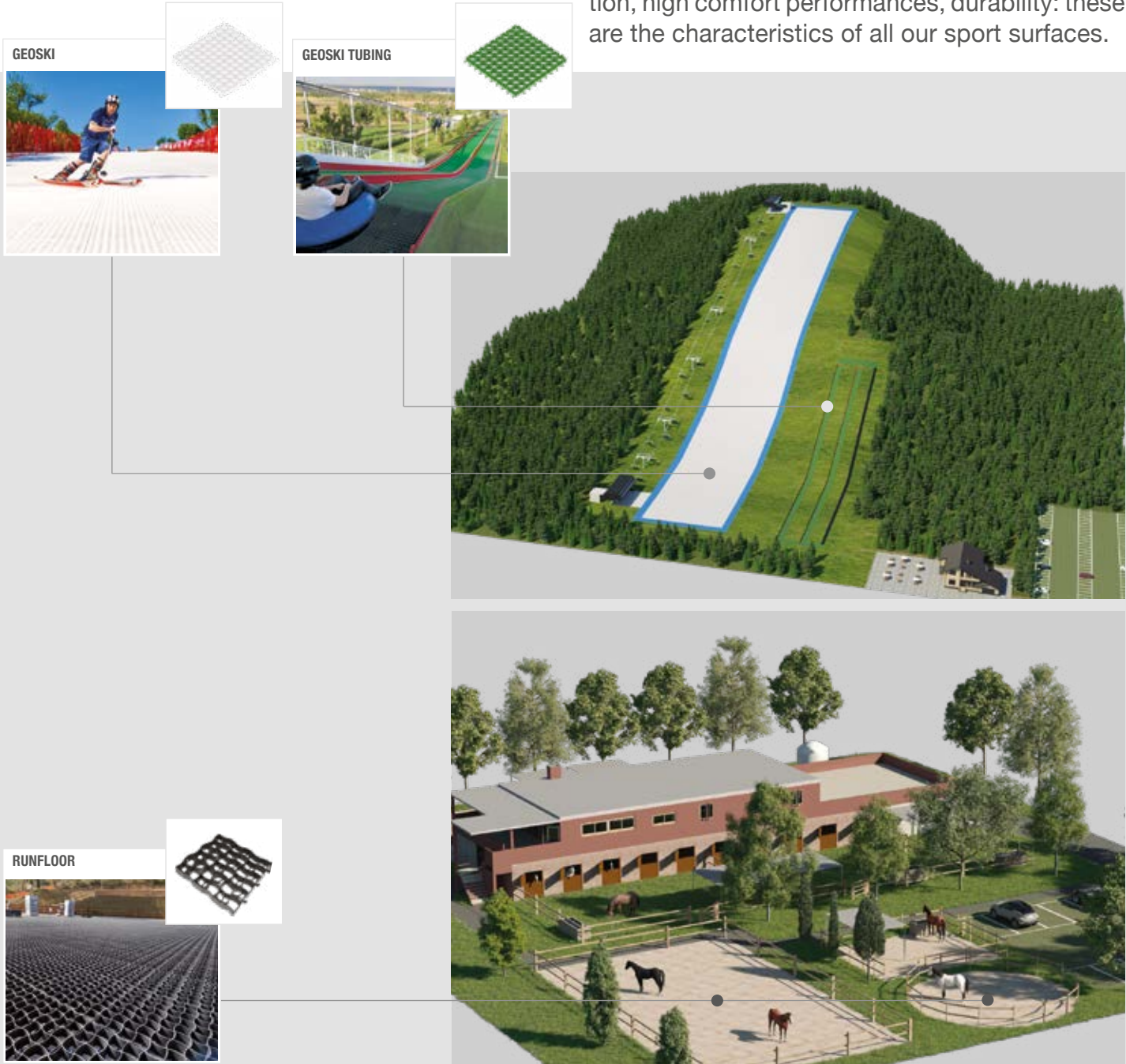
## GEOSKI 22

High-performance polyethylene surface for practising winter sports in every season.



# THE CONCEPT

We believe that sport has a fundamental role in the growth and development of people: this has led us to give a concrete contribution to such an important issue. The values underlying Geoplast proposal are to facilitate the diffusion of sports practice in every place and situation, to guarantee total safety and comfort to the athletes of every level, to devise solutions that, right from the choice of materials, comply with the requirements of environmental sustainability. Use of recyclable plastic, easy and fast installation, high comfort performances, durability: these are the characteristics of all our sport surfaces.

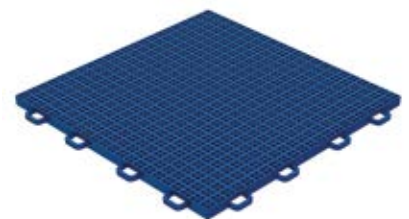




# GRIPPER



**HIGH-PERFORMANCE POLYPROPYLENE  
MULTIPURPOSE SURFACE**



# FEATURES AND ADVANTAGES



Sports flooring designed to ensure safety, comfort and high performance in various disciplines, both for permanent and temporary courts. The ease of assembly and disassembly, and the convenient transportation in standard pallets, make Gripper ideal for temporary sporting events, both in squares and in indoor facilities.

Portions of Gripper can be quickly moved to permit the transit of vehicles or any other mean and the development of other activities while the court is not used to play. All can be installed again just in few minutes.

## EASY INSTALLATION



The innovative Snap-fit Coupling makes the installation of Gripper easy and fast: it is just necessary to place the pre-assembled sheets next to each other and apply a light pressure with the hands or feet.

The tiles are supplied pre-assembled in 12 pieces sheets.

## COMFORT



Made of UV-stabilised polypropylene and with 100% recyclable polymers, the surface is designed to ensure durability in time, high performance and safety.

## MULTI-SPORT












Gripper range of products has countless applications, in the name of versatility and flexibility.

Its resistance, drainage and practicality characteristics, make it a perfect solution for: basketball, futsal, tennis, volleyball, handball, in-line hockey, dancing, fitness, hospitality for racing and recreational areas.

# HOW TO CHOOSE

## PRODUCT

SPORT	GRIPPER OUTDOOR SPORT 25 x 25 cm	GRIPPER OUTDOOR 12" 30,5 x 30,5 cm	GRIPPER TENNIS ROUGH 30,5 x 30,5 cm	GRIPPER DOUBLE GRID 30,5 x 30,5 cm	GRIPPER DOUBLE GRID ROUGH 30,5 x 30,5 cm	GRIPPER INDOOR 33,3 x 33,3 cm	GRIPPER INDOOR + GEOCOMFORT 4 o 5 mm
 BASKET	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
 FUTSAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 TENNIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 HOCKEY	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 VOLLEY	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
 FITNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
 HANDBALL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
 SKATING	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 DANCING	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**LEGEND:**

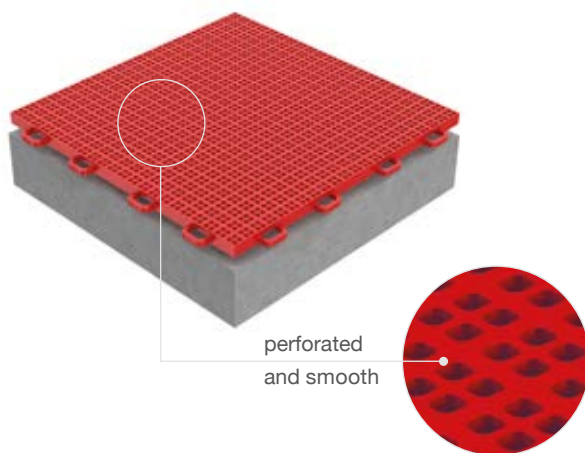
EXCELLENT PERFORMANCE     GOOD PERFORMANCE



# HOW TO CHOOSE

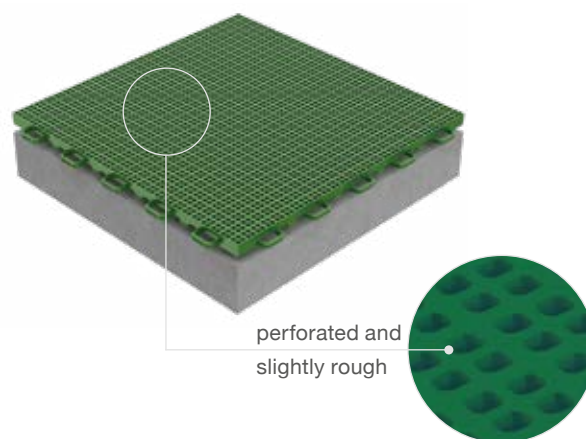
## GRIPPER OUTDOOR SPORT

25 x 25 x H 1 cm - with optional ramp



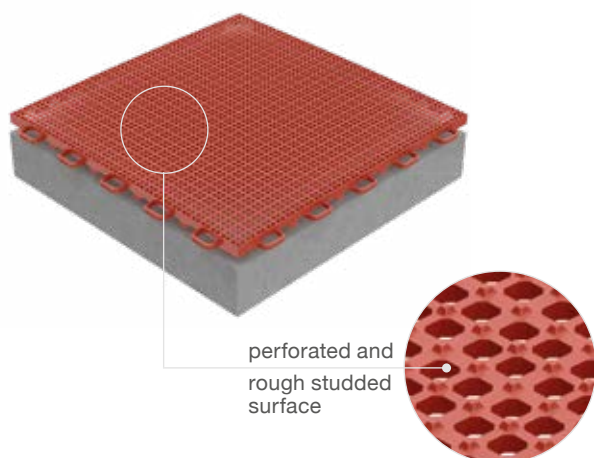
## GRIPPER OUTDOOR 12"

30,5 x 30,5 x H 1,2 cm



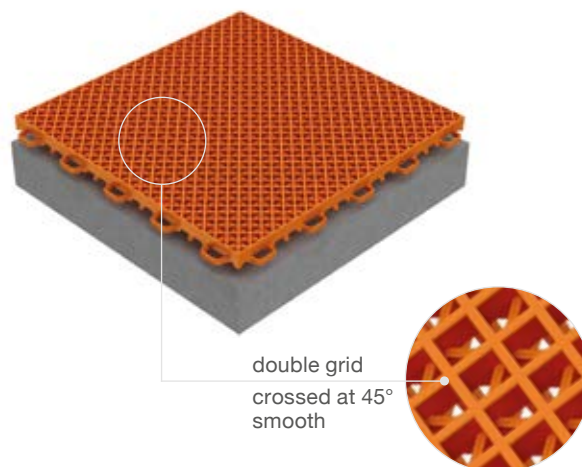
## GRIPPER TENNIS ROUGH

30,5 x 30,5 x H 1,2 cm



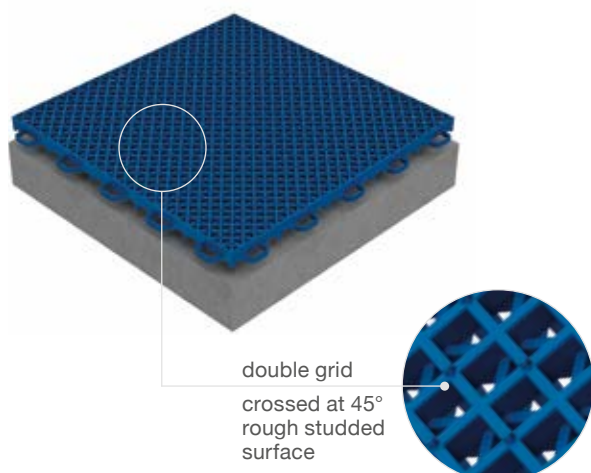
## GRIPPER DOUBLE GRID

30,5 x 30,5 x H 1,5 cm - with optional ramp



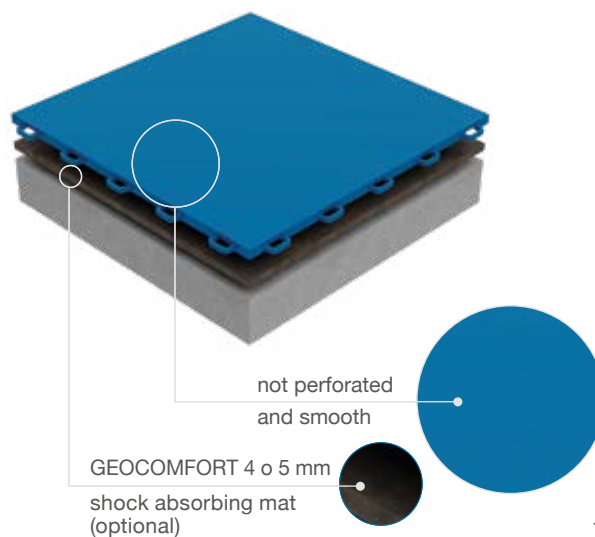
## GRIPPER DOUBLE GRID ROUGH

30,5 x 30,5 x H 1,5 cm - with optional ramp



## GRIPPER INDOOR

33,3 x 33,3 x H 1 cm



# APPLICATIONS



*Basketball Court*

## VERSATILITY IN SPORT

The extraordinary properties of polypropylene (PP), a polymer resistant to stresses and weather, deliver high-performance, reliability and versatility of use.

Gripper is the surface any sports centre needs to satisfy enthusiasts the fans of any type of sporting discipline. It rests on any flat and compact surface (preferably quartz smoothed concrete slab or asphalt) without the need for onerous preparation works, and does not require any maintenance.



*Futsal*



*Volleyball Court*



# THE CUSTOMIZATIONS



## THE COURT WITH YOUR LOGO

Easy assembly/disassembly and the convenient transportation in standard pallets, make Gripper ideal both for permanent structures and for temporary events or sporting events, indoor or outdoor.

Thanks to its particular form, it has a high resistance to atmospheric agents, does not freeze and quickly dries after the rain. Moreover the court can be customized with writings formed by coloured tiles, dies and road paint or silk-screen printed logos.



The modularity and the possibility to customize Gripper in all the colours of the RAL range, create a pleasant and effective aesthetic impact.

## STANDARD COLOURS

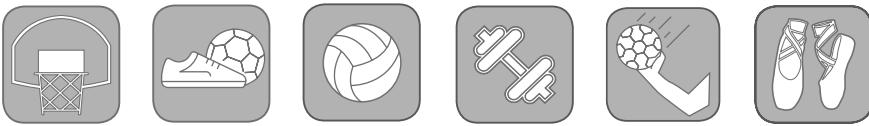
Customized on request

Royal Blue  
(RAL 5010)

Leaf Green  
(RAL 6002)

Traffic Red  
(RAL 3020)

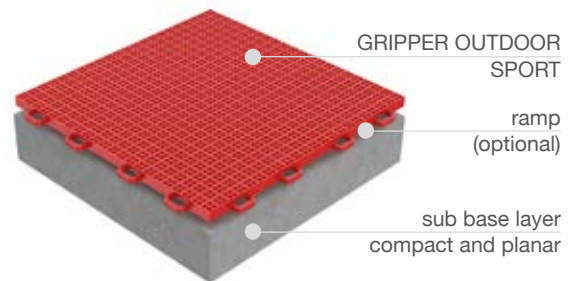
# GRIPPER OUTDOOR SPORT



Gripper Outdoor Sport is the multi purpose surface ideal for permanent or temporary courts, for any type of sporting activity. The perforated surface ensures a rapid drainage in the event of rain, ease of cleaning and maximum safety. Laying, thanks to the special snap-fit locking system, can be carried out easily even by non-specialized personnel. Finally, Gripper surface is treated to resist UV rays and to ensure a long-lasting duration. Gripper Outdoor Sport is equipped with a ramp for side closure of the court.

## TECHNICAL DATA

Size	25 x 25 x H 1 cm (16 pcs./ m <sup>2</sup> )
Weight	3,04 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Perforated and smooth
Packaging size	80 x 120 x H 170 cm - 112,5 m <sup>2</sup>
Shock absorption	6%
Friction	65



PALLET cm 80 x 120	LORRY (13,6 m)	CONTAINER 20 BOX	CONTAINER 40 HC
112,5 m <sup>2</sup>	3712 m <sup>2</sup>	1377 m <sup>2</sup>	2880 m <sup>2</sup>



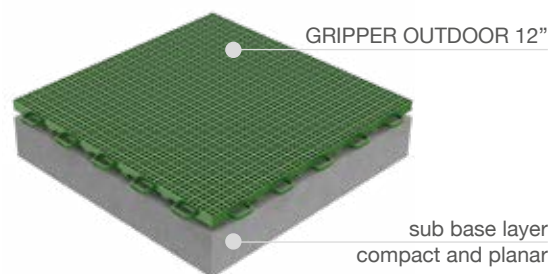
# GRIPPER OUTDOOR 12"



Gripper Outdoor 12" is the high-performance multi purpose solution for futsal and tennis. Laboratory tests proved Gripper Outdoor 12" to be a fast surface similar to concrete (ITF 5). Suitable for experienced players, allows you to distinguish the play area from the rest of the court with different colours. Thanks to the perforated tiles, the surface is draining, safe and easy to clean; moreover, the court can be installed also by non-specialised staff thanks to the snap-fit coupling system.

## TECHNICAL DATA

Size	30,5 x 30,5 x H 1,2 cm (10,75 pcs./ m <sup>2</sup> )
Weight	3.76 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Perforated and slightly rough
Packaging size	100 x 120 x H 170 cm - 140 m <sup>2</sup>
Shock absorption	10%
Friction	96



PALLET cm 100 x 120	LORRY (13,6 m)	CONTAINER 20 BOX	CONTAINER 40 HC
140 m <sup>2</sup>	3640 m <sup>2</sup>	1506 m <sup>2</sup>	3348 m <sup>2</sup>



# GRIPPER TENNIS ROUGH

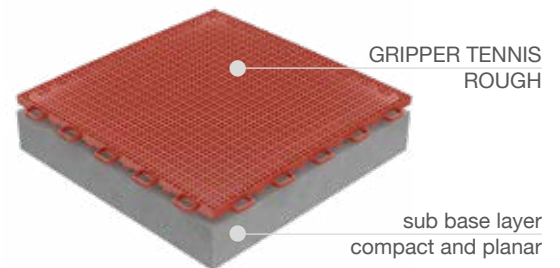


Gripper Tennis Rough is the Gripper version specifically designed for tennis.

The micro truncated conical pyramidal structure distributed on the surface confers to the game a lower speed than concrete to enjoy this sport at any level. The perforated surface ensures high draining capacity and the court can be used immediately after the rain. The tile size of 30.5 x 30.5 cm allows you to chromatically highlight the internal and external play area with different colours.

## TECHNICAL DATA

Size	30,5 x 30,5 x H 1,2 cm (10,75 pcs./ m <sup>2</sup> )
Weight	3.98 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Perforated and rough studded
Packaging size	100 x 120 x H 170 cm - 140 m <sup>2</sup>
Shock absorption	10%
Friction	100



PALLET cm 100 x 120	LORRY (13,6 m)	CONTAINER 20 BOX	CONTAINER 40 HC
140 m <sup>2</sup>	3640 m <sup>2</sup>	1506 m <sup>2</sup>	3348 m <sup>2</sup>

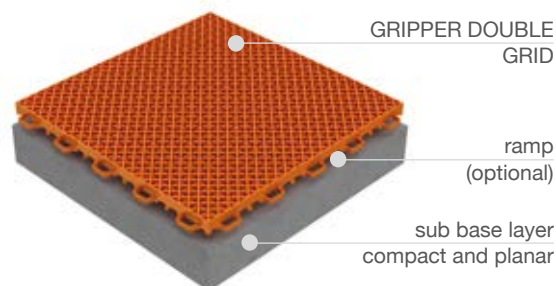
# GRIPPER DOUBLE GRID



Gripper Double Grid is the ideal product for the realization of multi-purpose courts. The tile has been designed to standardize the bouncing of the ball, in fact the structure of the support feet is homogeneous and the thickness of 15 mm delivers high-performance to athletes and an excellent playing comfort. Gripper Double Grid is provided with a ramp for side closure of the court. Also tested according to EN 14877:2013.

## TECHNICAL DATA

Size	30,5 x 30,5 x H 1,5 cm (10,75 pcs./ m <sup>2</sup> )
Weight	3.23 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Double cross grid at 45° smooth
Packaging size	100 x 120 x H 210 cm - 140 m <sup>2</sup>
Shock absorption	16%
Friction	101



PALLET cm 100 x 120	LORRY (13,6 m)	CONTAINER 20 BOX	CONTAINER 40 HC
140 m <sup>2</sup>	3640 m <sup>2</sup>	1306 m <sup>2</sup>	2902 m <sup>2</sup>



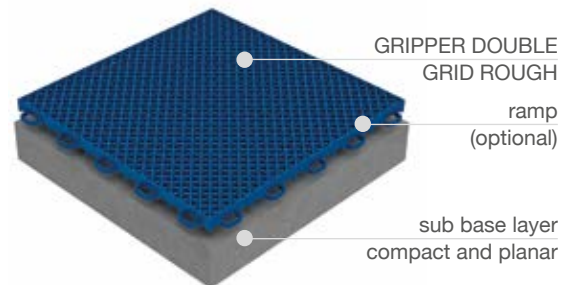
# GRIPPER DOUBLE GRID ROUGH



Gripper Double Grid Rough surface is specifically designed for tennis. It is characterized by a double overlap dotted grid allowing the ball to have a homogeneous and controlled bounce comparable to the clay courts and ensuring fast drying of the playing area in case of rain. The laboratory tests performed have identified Gripper Double Grid Rough as a medium-fast surface (ITF 4) suitable both for indoor and outdoor applications. Created with 100% recyclable polymers, it is resistant to UV rays and to thermal excursions. Gripper Double Grid Rough is provided with a ramp for side closure of the court.

## TECHNICAL DATA

Size	30,5 x 30,5 x H 1,5 cm (10,75 pcs./ m <sup>2</sup> )
Weight	3.23 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Double grid crossed at 45° rough studded
Packaging size	100 x 120 x H 210 cm - 140 m <sup>2</sup>
Shock absorption	16%
Friction	106



PALLET cm 100 x 120	LORRY (13,6 m)	CONTAINER 20 BOX	CONTAINER 40 HC
140 m <sup>2</sup>	3640 m <sup>2</sup>	1306 m <sup>2</sup>	2902 m <sup>2</sup>



# GRIPPER INDOOR



Gripper Indoor is the tile for the realization of multi-purpose indoor courts.

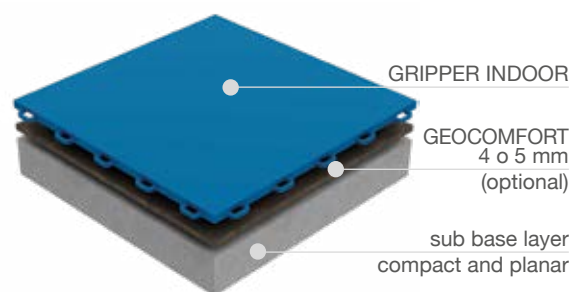
Its surface is completely smooth and its particular structure, combined with the possibility to be positioned above different types of shock absorbing mat (Geocomfort 4 or 5 mm), offers optimal softness and playing comfort.

Also tested according to EN 14904:2006.

Gripper Indoor maintains the versatility and ease of installation that distinguish the other products of the range and is also available in fire-proof version.

## TECHNICAL DATA

Size	33,3 x 33,3 x H 1 cm (9 pcs./ m <sup>2</sup> )
Weight	4,95 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Non perforated and smooth
Packaging size	105 x 105 x H 185 cm - 165 m <sup>2</sup>
Shock absorption	30% with Geocomfort
Friction	82



PALLET cm 105 x 105	LORRY (13,6 m)	CONTAINER 20 BOX	CONTAINER 40 HC
165 m <sup>2</sup>	3960 m <sup>2a</sup>	1650 m <sup>2</sup>	3630 m <sup>2</sup>

# ON-SITE INSTALLATION



## ① PREPARATION OF THE SUB BASE LAYER

Cleaning and levelling the surface.



## ② LAYING THE GRIPPER

Drawing pre-assembled sheets together and fast locking system (snap-fit).



## ③ COURT BOUNDARY

Laying the guides with paper tape and making the lines with traffic paint. For temporary events use only a particular adhesive in PVC.



## ④ TRACING THE LINES

Tracing lines with traffic paint using a roller or a brush.



## ⑤ EQUIPEMENT INSTALLATION

Positioning the equipment leaving few centimetres free on the perimeter and around the supports to allow natural thermal expansion in case of particularly hot days.



## ⑥ COURT READY



## SNAP-FIT COUPLING

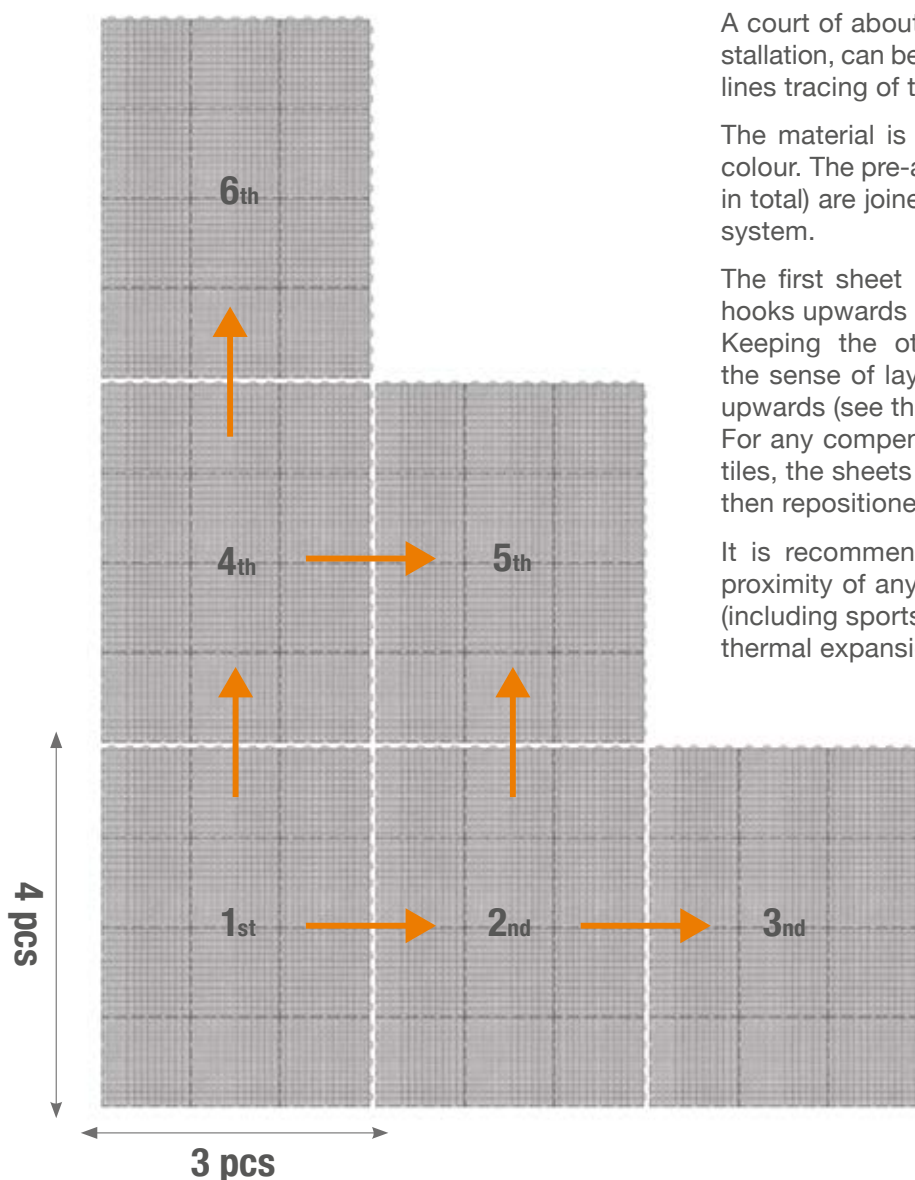
The effective hooking method allows you to create the court by simply pulling over the sheets together and by exerting a slight pressure, with your hands or feet on the edges of the tile.



## LAYING DIAGRAM



**ASSEMBLING**  
for a court of approximately 600 m<sup>2</sup>  
**IN ONLY 4 HOURS!** (excluding lines tracing)



A court of about 600 m<sup>2</sup>, after placing it in the area of installation, can be laid by 4 people in only 4 hours (excluding lines tracing of the various game courts).

The material is supplied on standard pallets divided by colour. The pre-assembled tiles in 4 by 3 sheets (12 pieces in total) are joined together with the snap-fit quick locking system.

The first sheet is located on the lower left, holding the hooks upwards and toward the right.

Keeping the other sheets with the same orientation, the sense of laying is from left to right and from bottom upwards (see the diagram shown beside).

For any compensation or writings to be realized with the tiles, the sheets can be divided into individual pieces and then repositioned respecting their orientation.

It is recommended to leave an expansion joint in the proximity of any curbs or fences and of any other object (including sports equipment) that could hinder the natural thermal expansion.



# BASKET



## THE RIGHT BALANCE BETWEEN RIGIDITY AND ELASTICITY

Basketball requires rapidity and ease of dribbling; the ball must return in the hand without effort and with precision and it is essential to have the right grip on the court in order to change direction without hesitation.

Gripper ensures the right balance between rigidity and elasticity to optimize the effort and to soften the impact of possible falls.

It allows you to create uniform surfaces for the bounce of the ball ensuring optimal playing comfort.

The ease of installation allows it to be used in squares for temporary events like tournaments 5 against 5 and street-basket 3 x 3.

**PRECISE REBOUND**

**EXCELLENT GRIP**

**HIGH ABSORPTION**





# TENNIS



## THE SURFACE THAT MEETS EVERY NEED

Geoplast suggests two different solutions for tennis:

- Gripper Double Grid Rough, ideal for expert tennis players and for amateurs. Tested in laboratory as ITF 4, it ensures a slower and therefore more pleasing game to most of players who prefer technical and performing courts.
- Gripper Tennis Rough, efficiently adapt to the needs of all tennis players. Tested in the laboratory as ITF 5, it favours greater dynamism in the game.

Both solutions are ideal for sports clubs because they make enjoyable to play in all climatic conditions and greatly reduce management costs.

### EXCELLENT GRIP

### VERSATILITY

### ZERO MAINTENANCE





# MULTIPURPOSE COURTS

In multipurpose courts it is necessary to find the right balance between the different sports: basketball (excellent grip), futsal (fast ball sliding), volley (excellent shock absorption), tennis (ball bouncing uniformity).

The various needs of the athletes can be managed thanks to the different types of Gripper tiles.

**EXCELLENT GRIP**

**ELASTICITY**

**ZERO MAINTENANCE**



# SKATING AND IN-LINE HOCKEY

Gripper Indoor best meets the main requirements of sport on wheels: a fluid skating with frequent stops and restarts, joined to a perfect sliding. The plastic surface created has in fact the precise friction and fluidity characteristics that serve to sports like ice skating and in-line hockey, while maintaining the versatility for futsal, basketball and volleyball, which make sure that the court never remain unused.

The possibility of combining a shock absorbing mat of different thickness (Geocomfort 4 or 5 mm), guarantees the best technical solution for athletes.

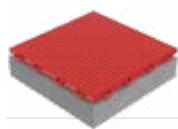
For temporary and outdoor events, it is possible to use Gripper outdoor version.

**FLUID AND CONTROLLED SKATING**

**EXCELLENT FRICTION**

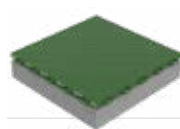
**HIGH PERFORMANCES**





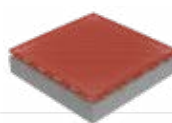
## OUTDOOR SPORT

Size	25 x 25 x H 1 cm (16 pcs./ m <sup>2</sup> )
Weight	3,04 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Perforated and smooth
Packaging size	80 x 120 x H 170 cm - 112,5 m <sup>2</sup>
Shock absorption	6%
Friction	65



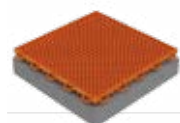
## OUTDOOR 12"

Size	30,5 x 30,5 x H 1,2 cm (10,75 pcs./ m <sup>2</sup> )
Weight	3.76 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Perforated and slightly rough
Packaging size	100 x 120 x H 170 cm - 140 m <sup>2</sup>
Shock absorption	10%
Friction	96



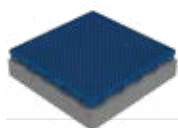
## TENNIS ROUGH

Size	30,5 x 30,5 x H 1,2 cm (10,75 pcs./ m <sup>2</sup> )
Weight	3.98 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Perforated and rough studded
Packaging size	100 x 120 x H 170 cm - 140 m <sup>2</sup>
Shock absorption	10%
Friction	100



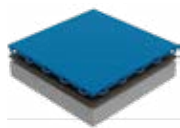
## DOUBLE GRID

Size	30,5 x 30,5 x H 1,5 cm (10,75 pcs./ m <sup>2</sup> )
Weight	3.23 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Double grid crossed at 45° smooth
Packaging size	100 x 120 x H 210 cm - 140 m <sup>2</sup>
Shock absorption	16%
Friction	101



## DOUBLE GRID ROUGH

Size	30,5 x 30,5 x H 1,5 cm (10,75 pcs./ m <sup>2</sup> )
Weight	3.23 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Double grid crossed at 45° rough studded
Packaging size	100 x 120 x H 210 cm - 140 m <sup>2</sup>
Shock absorption	16%
Friction	106



## INDOOR

Size	33,3 x 33,3 x H 1 cm (9 pcs./ m <sup>2</sup> )
Weight	4.95 kg/m <sup>2</sup>
Material	UV Stabilised PP
Coupling	Quick with snap-fit
Surface finishing	Not perforated and smooth
Packaging size	105 x 105 x H 185 cm - 165 m <sup>2</sup>
Shock absorption	30% with Geocomfort
Friction	82



## RAMPA OUTDOOR SPORT

Size	25 x 3,1 x H 1 cm
Material	PP
Coupling	Quick with snap-fit



## RAMPA DOUBLE GRID

Size	30,5 x 2,5 x H 1,5 cm
Material	PP
Coupling	Quick with snap-fit



## GEOCOMFORT 4 mm

Size	20 x 1 m (tick. 4 mm)
Weight	3.00 kg/m <sup>2</sup>
Material	PFU rubber linked by polyurethanes
Packaging size	80 x 120 x H 120 cm - 160 m <sup>2</sup>



## GEOCOMFORT 5 mm

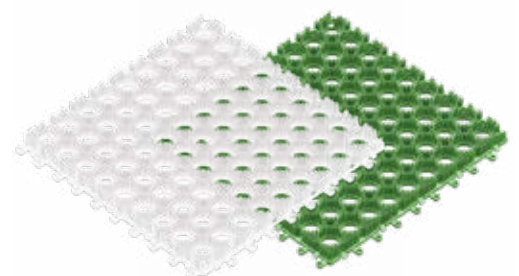
Size	16 x 1 m (tick. 5 mm)
Weight	3.75 kg/m <sup>2</sup>
Material	PFU rubber linked by polyurethanes
Packaging size	80 x 120 x H 120 cm - 128 m <sup>2</sup>



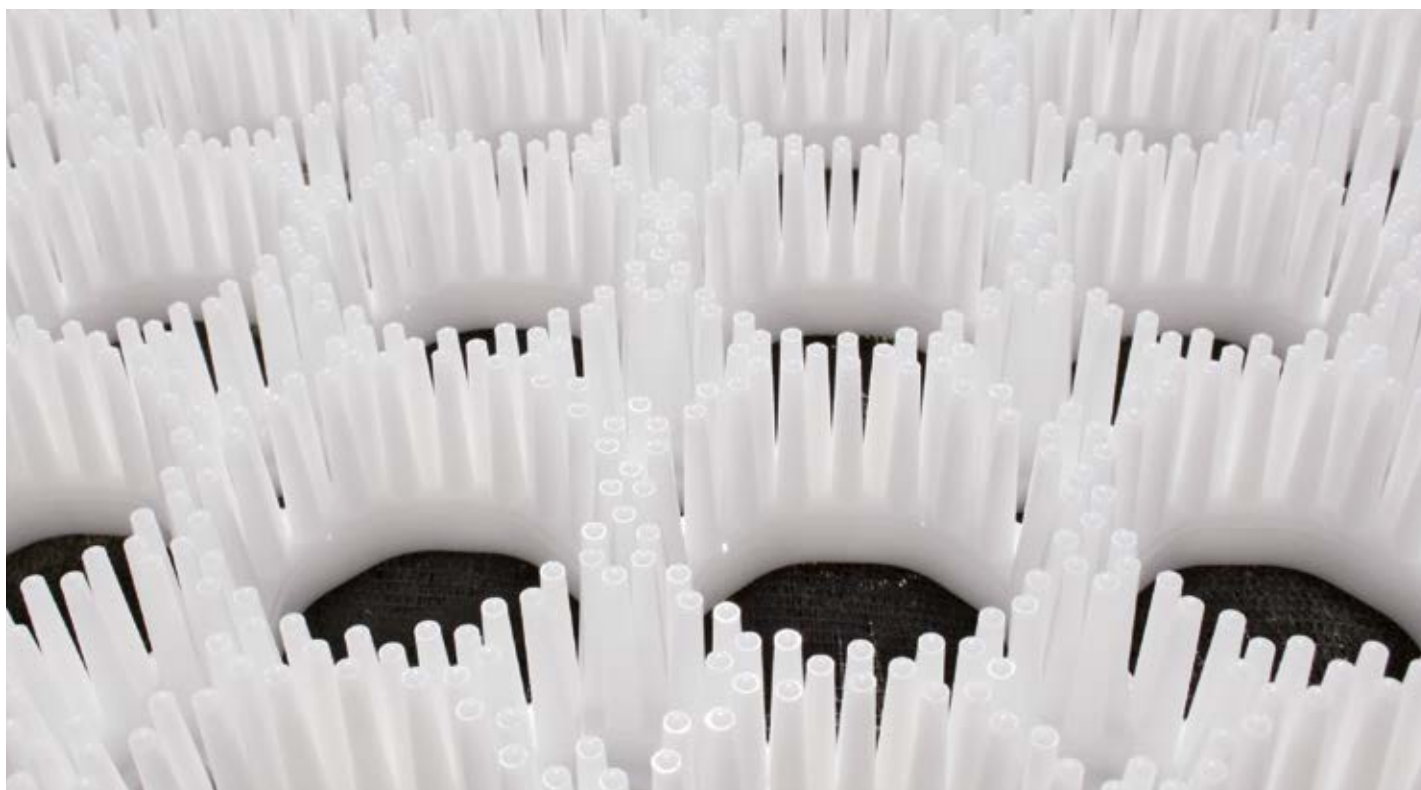
# GEOSKI



**HIGH-PERFORMANCE SURFACE FOR WINTER SPORTS IN POLYETHYLENE**



# ADVANTAGES



Geoski is the revolutionary synthetic surface for winter sports 365 days a year.

## INNOVATIVE

Geoski perfectly recreates the experience of snow: the number and the distribution of the stems have been carefully designed to reproduce the sensations of fluidity and grip of natural snow.

## ECO FRIENDLY

Attention to the environment is ensured by the choice of the material and in the installation phase that, through suitable screws, requires no additional intervention. Moreover, the non woven fabric layer guarantees the correct drainage of rainwater.

## THERMAL EXPANSIONS

Thanks to the revolutionary spring coupling the product perfectly responds to thermal expansions by creating a homogeneous and continuous surface without interruption or obstacles.



# A FANTASTIC TOURIST ATTRACTION



Geoski is the fifth season, as it lets you enjoy skiing 365 days a year. Geoski allows to overcome the problems related to the lack of snow or to high temperatures and, in spring and autumn it can be an alternative to glaciers, which are increasingly threatened by global warming.

Ski enthusiasts will be able to enjoy the sun while skiing down to the valley without having to “surf” in the waves or be forced to ski just in the morning until the snow permits.

Beginners will not have to stop terrified in front of snow accumulations created by the previous skiers, but will find a track always perfect, where they can experience and practice without fear.



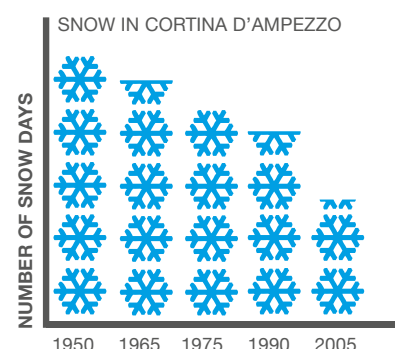
# WINTER SPORTS



Tourism in ski resorts is experiencing a positive growth trend, with beneficial effects on local businesses, comparable to those of the seaside resorts during the summer season.

Italy alone has today 8 million ski enthusiasts and the number of city ski clubs, (agonists and amateurs) is constantly growing.

The presence of an adequate snow cover is a fundamental condition for practising winter sports, which offer unique emotions and pure fun.



Winter activities rely today on the presence of snow in ski resorts. Climate changes significantly impact on snowy precipitations with the consequent decrease of snow days (number of days with the presence of skiable snow on the ground).

The chart above is obtained from the data collected by ARPAV Veneto for the town of Cortina d'Ampezzo (BL) and helps us to understand how in a relatively "short" time interval (with respect to the geological history of the planet) the decrease of snow days is rather sharp (more than -20%).

Business operators have reacted by increasing the use of artificial snow systems, which undoubtedly provide some benefits, but they are certainly not an inexpensive solution. A snow cannon may have a water consumption of 300 litres/min and an electrical consumption of 9 Kw/h.



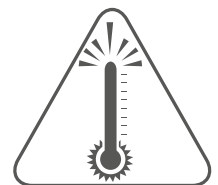
# INCREASINGLY LESS SNOWFALLS



## DIFFICULTY IN PRACTICING WINTER SPORTS

The slow but inexorable global warming is an incontrovertible factor: with the increase of temperature also rises the thermal zero altitude, causing the decreases of snowfalls especially at low- and mid-altitudes.

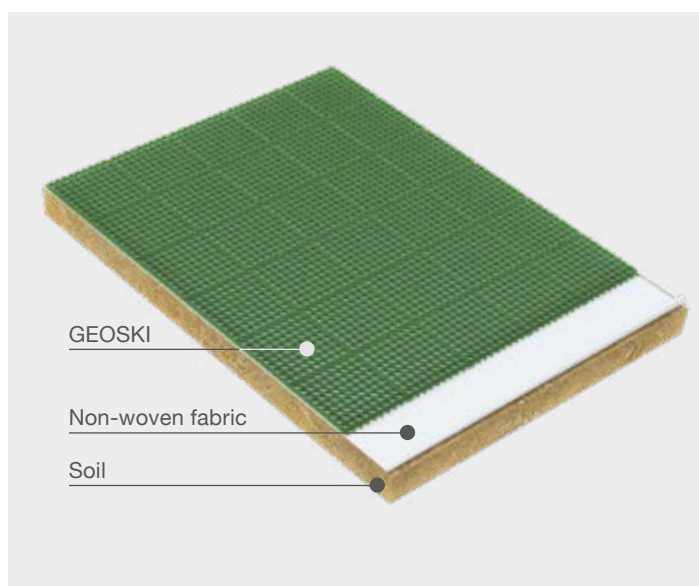
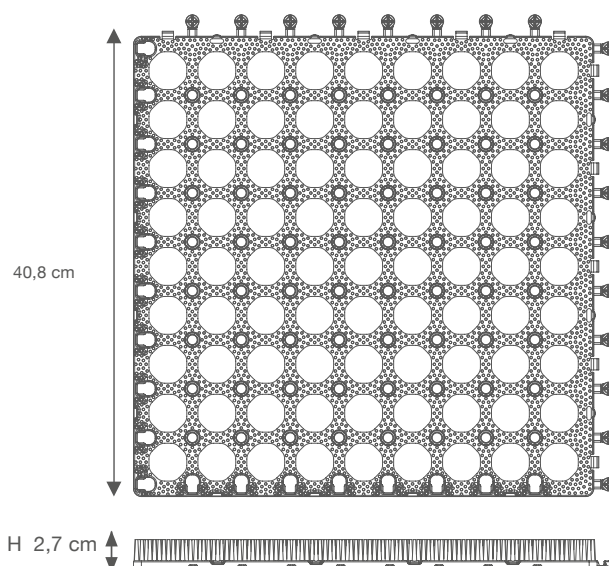
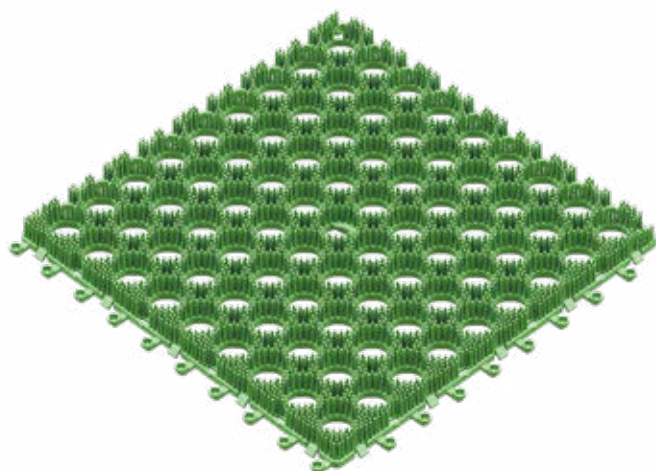
Many ski resorts are suffering from the absence of snow, which causes heavy financial consequences, and are forced to reconsider their “vocation”: the most modern and avant-garde installations delay the seasonal openings, because the weather conditions do not allow the creation of the foundation necessary for snowing.



GLOBAL WARMING



# GEOSKI TECHNICAL DATA

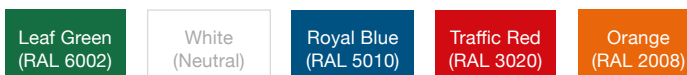


Size	40,8 x 40,8 x H 2,7 cm
Weight	5,3 kg/m <sup>2</sup>
Material	PE HD (high-density polyethylene) with thermoplastic elastomer, master and additives
Packaging size	80 x 120 x H 155 cm
Pallet surface	50 m <sup>2</sup>

PALLET cm 105 x 105	LORRY (13,6 m)	CONTAINER 20 BOX	CONTAINER 40 HC
50 m <sup>2</sup>	1600 m <sup>2</sup>	715 m <sup>2</sup>	1495 m <sup>2</sup>

## STANDARD COLOURS

Customized on request





# GEOSKI - HAS BEEN TESTED BY.....



**Matteo Nana**

He was one of the strengths of the Italian national team in the nineties.  
He achieved two third places in the World Cup (Alta Badia 1996 and Beaver Creek 1999). Italian champion in slalom (1999-2000), Italian Champion giant (2000).  
F.I.S.I. Trainer, National Instructor and Promoter of Nordica-Tecnica Group.



**Mauro Bernardi**

He lives in Albino (Bergamo), trucker until the morning of 31 August 2005, when an accident changed his life.  
In 2013 he becomes the first Ski instructor for people with disabilities in the world.

“You have to trust it, trust it more; you glide a lot and have to control the slide. I am not used to it yet, and I still slide a lot and don’t carve enough: my impressions? Pure fun!”

“I must say that Geoplast has designed a great product, mainly due to the fact that it gives the possibility to us disabled people to approach skiing in an environment that is not hostile and totally free of architectural barriers. We can be independent and have fun on the snow, without feeling cold and wet, with zero risk factor of injury.”



# SKI AND SNOWBOARD



Designed for the creation of high technical level ski slopes, in order to allow any skier (beginner or pro athlete) to experience the same sensations of grip, fluidity and skiing of natural snow.

Geoski is the synthetic surface especially created for the creation of ski slopes.

Geoski was made with a built-in marking system so as to be able to accommodate the slalom poles for the creation of the tracks. In this way it is possible to create training installations for competitive athletes during the summer season.

Poles are placed in the form of threaded cylinders and then inserted in the ground at the time of the installation, when a training or racing trail are prepared, you will simply have to screw the poles on their mounts, without having to drill the ground. Custom trails can be created on customer's demand.





# SKI LIFTS AND CHAIR LIFTS



Geoski has been designed to replace snow in those areas where the settlement of snow has become unsustainable in terms of times and costs. It also offers the possibility to use ski lifts, departures and arrivals of chair lifts and crossings or linking roads.



The laying takes place using a non-woven fabric to separate the soil from the tiles made in HDPE, a high density polymer with a high mechanical resistance. The ground must be levelled before placing the non-woven fabric and there must be no dangerous projections or disrupted material. Laying Geoski is simple, but it requires the due time and the correct location as the technical surface is fixed to the ground with screws.

The temperature above freezing level, UV rays and the friction of the ski blades do not produce damage to the area affected by Geoski.



# ON-SITE INSTALLATION



## ① PREPARATION

Levelling the ground with the elimination of roughness and obstacles to facilitate the laying and the fluidity of the synthetic surface.



## ② PROTECTIVE COVERS

Laying the non-woven fabric to safeguard the ground and prevent that debris emerge soiling or deteriorating the ski run. You can decide to not use the TNT and let the grass grow inside the Geoski cells.



## ③ LAYING GEOSKI

Laying and hooking the synthetic surface Geoski must take place in accordance with the instructions contained in the assembly Manual.



## ④ FIXING

Fixing the elements by means of appropriate Geoski screws is indispensable in order to ensure the stability of the installation.



## ⑤ GEOSKI RUN

The final result is a perfect synthetic surface similar to a snowpack.



## ⑥ HAVE FUN!



# GEOSKI TUBING



Geoski was developed thanks to the forty-year experience of Geoplast in the plastics sector.

This innovative surface composed of HDPE, allows you to practice not only skiing and snowboarding but also tubing 365 days per year.

Geoski Tubing perfectly recreates the snowy conditions of a snow park and is great fun thanks to the creation of a safe artificial track without ice. It is extremely easy to install and can be realized with variable inclinations and customizable colours.

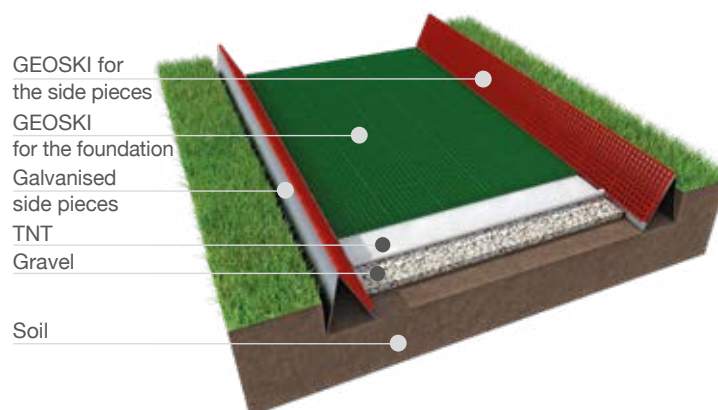
Suitable for those who want to create a street park, ramps for snowboarding or a nice tubing track.





# TRACK COMPOSITION:

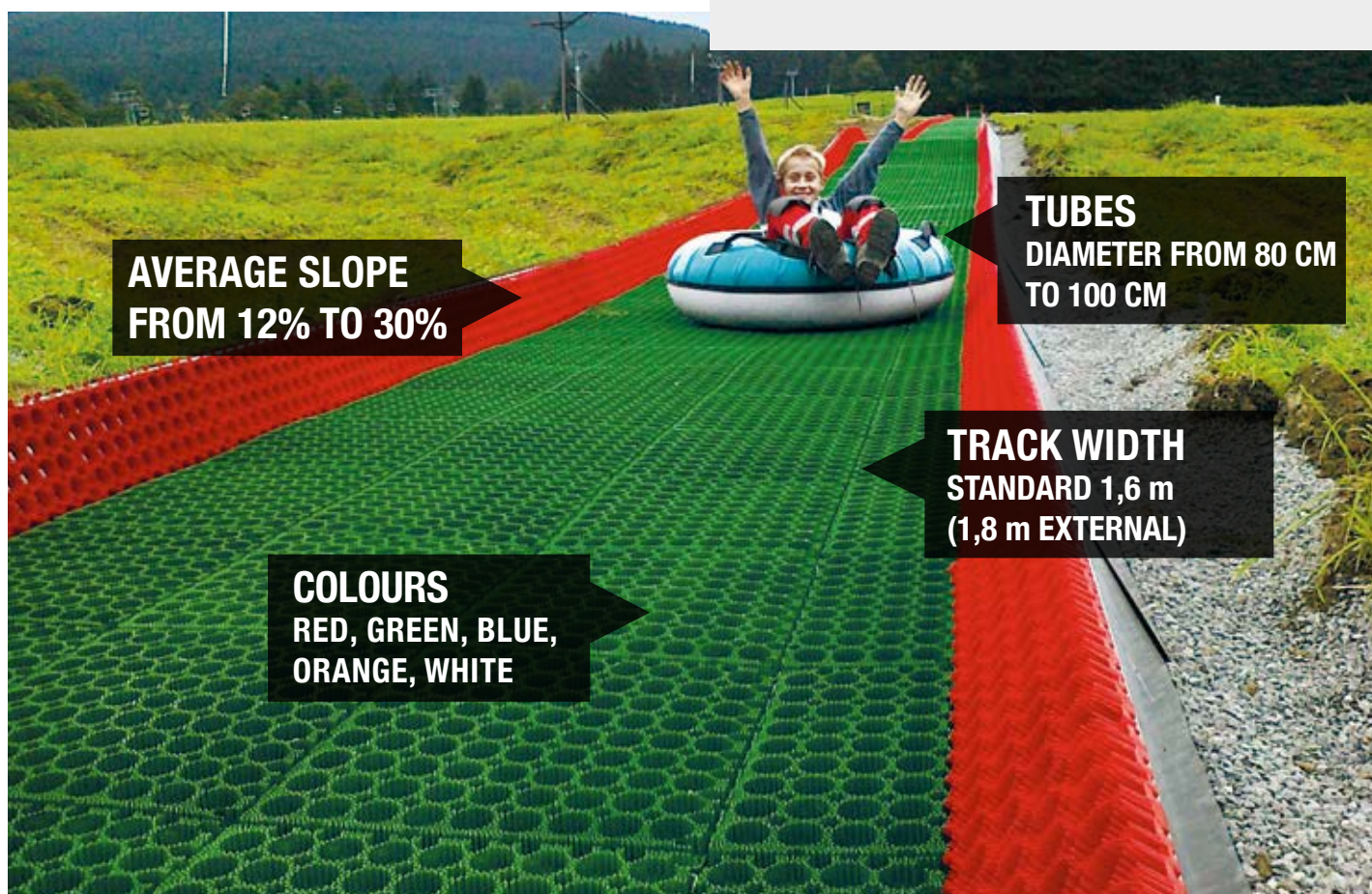
- 1 Remove the material on the surface.  
Model and design the track with the help of machines.
- 2 Fill with gravel to allow proper drainage of the system and at the same time to provide solid foundations for the construction of the Tubing track.
- 3 Place the TNT (non woven fabric) along the entire length of the track curves included.
- 4 Assemble the edges/side pieces in the straight sections: both sides are mutually connected and fixed on the ground by means of screws and/or attachments. The assembly of the curves (if there are any) is performed directly on site.  
The exact number of curves is calculated by technical experts who define the project.
- 5 Lay and secure the Geoski panels with screws on the bottom and on the sides of the track for the creation of the side pieces (cut them if necessary).



After the track is installed and fixed, it is necessary to test the installation.

The protection mats are an integral part of the track and are used in all the areas where there may be the slightest danger.

The installation of the braking areas is required to control the speed and the safe passage of the tubes.



**AVERAGE SLOPE  
FROM 12% TO 30%**

**TUBES  
DIAMETER FROM 80 CM  
TO 100 CM**

**TRACK WIDTH  
STANDARD 1,6 m  
(1,8 m EXTERNAL)**

**COLOURS  
RED, GREEN, BLUE,  
ORANGE, WHITE**



# GREAT FUN AND UNCONVENTIONAL SOLUTIONS

Thanks to Geoplast and to the experience of its partner, we know very well the recipe of fun. We are able to offer a wide range of solutions in order to make the downhill even more pleasant and stimulating.

## START

Fun starts from the starting point. Fully customizable in shape and aspect thanks to the wide choice of materials available.

## BRIDGE

The ideal spot to enjoy a privileged view from which watching our friends having fun or to take pictures of our children downhill.

## CURVES

Can be created with a variable number of galvanised steel modules, each one equipped with safety mat in the upper part.

## TUNNEL

Element of great effect, which guarantees a high level of fun, not only for children. It can be created with various types of materials, is customizable and has light effects inside.

## BONUS AREA

Area very motivating for young children that gives them the possibility of challenge in small competitions winning rewards or free downhills.

## ATTENTION TO DETAILS, EFFICIENCY AND EXPERIENCE

Safety first! We focus on the design and implementation of every meter of your track, ensuring installations carried out in accordance with the highest safety standards.



### STRAIGHT STRETCH

Generally 1.6 m wide, this zone is designed with shock-absorbing and braking elements, to adjust the speed in the event of bad weather conditions.

### SPEED BUMP

Designed on the basis of careful measurements the maximum speed achieved, it is a sort of "jump" that allows you to experience the feeling of the absence of gravity.

### ROTATION AREA

At this point the track becomes wider and is constituted by two different types of surfaces, which allow the tubes to perform a small rotation. We recommend to realize this area in the vicinity of the bottom of the track.

### WATER SPRAY

Summer accessory, which in warmer weather allows to end the descent with a refreshing water spray.



# RUNFLOOR HORSES



- ✓ SHOCK ABSORBING
- ✓ DRAINING
- ✓ SAFE

**HIGH PERFORMANCE GRID  
FOR EQUESTRIAN SURFACES**



# ADVANTAGES



Runfloor is the best solution for equestrian surfaces used in training and races for paddock or carousels. With Runfloor it is possible to obtain a surface that ensures an excellent response of the ground base and safety for the movement of the horse.

## ELASTIC

With Runfloor it is possible to create a cooperative and elastic surface that, preventing the formation of surface depressions, confers stability and sensitivity to the routine of the horse, improving performance.

The uniformity and stability of the surface has also an impact on the performances and on the synchronism of the movements between horseman and horse.

## SAFE

Runfloor allows you to create a safe technical ground base for the horse, protecting tendons and joints.

Runfloor ensures a perfect hoof cushioning creating a sensation of lightness for the horseman.

## DRAINING

Equestrian surfaces need a lot of water both during installation and during maintenance.

It is therefore essential to provide a stratigraphy that prevents the formation of mud, maintaining the surface always dry.

This is guaranteed by the excellent drainage capacity of Runfloor.

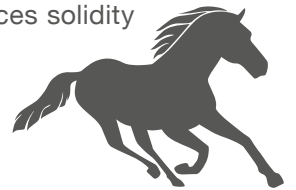


# THE SOLUTION



Lightweight and easy to install, Runfloor is the ideal solution for giving the equestrian surfaces solidity and strength, ensuring at the same time the necessary flexibility to absorb the horse racing.

Runfloor, thanks to its special conformation, maintains the drainage properties of the soil unchanged, making the surface practicable in all seasons and with any climatic situation, without any limitation.



Thanks to the use of Runfloor mud and sludge will be only a thing of the past.

## **CONSOLIDATION OF EQUESTRIAN SURFACES**

### **Paddock and Arenas**

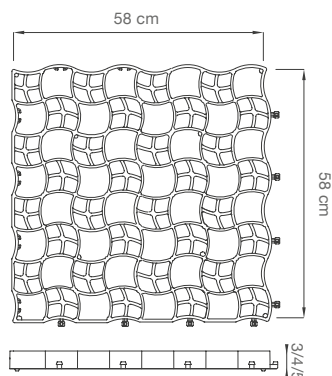
### **Loading and Unloading Areas, Warehouse Surfaces**

### **Consolidation Indoor or Outdoor Riding Stables Surfaces**

### **Training Associations, Horses Carousels**

### **Fences, Stables, Accesses to Pastures**

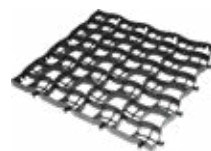
# TECHNICAL DATA



## RUNFLOOR 58\* (LD PE)



**RUNFLOOR 58-F03**



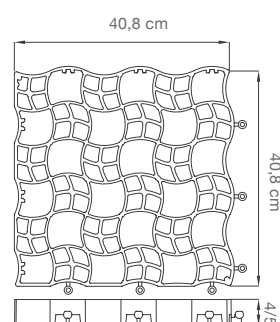
**RUNFLOOR 58-F04**



**RUNFLOOR 58-F05**

Dimensions (cm)	58 x 58	58 x 58	58 x 58
Height H (cm)	3	4	5
Wall Thickness (mm)	4	4	4
Load Capacity (t/m <sup>2</sup> )	400	400	500
Weight per piece (kg)	1,29	1,67	1,92
Pack size (cm)	120 x 120 x H240	120 x 120 x H242	120 x 120 x H240
Number of pieces	300	228	180
m <sup>2</sup> per pallet	100	76	60
Colour	Black	Black	Black
Permeability	89%	89%	89%

\* Format available on request also in green colour



## RUNFLOOR 40 (LD PE)



**RUNFLOOR 40-S05**

Dimensions (cm)	40,8 x 40,8
Height H (cm)	5
Wall Thickness (mm)	5
Load Capacity (t/m <sup>2</sup> )	600
Weight per piece (kg)	1,19
Pack size (cm)	85 x 125 x H235
Number of pieces	270
m <sup>2</sup> per pallet	45
Colour	Black
Permeability	83%



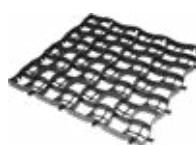
### F03 - FLEXIBLE

Recommended for arenas and work fields



### F04 - INTERMEDIATE

4 cm high and very robust, suitable for every type of equestrian surface.



### F05 - UNIVERSAL

Ensures comfort to the horse and perfect behaviour for walkways, carousels, rods and paddock.

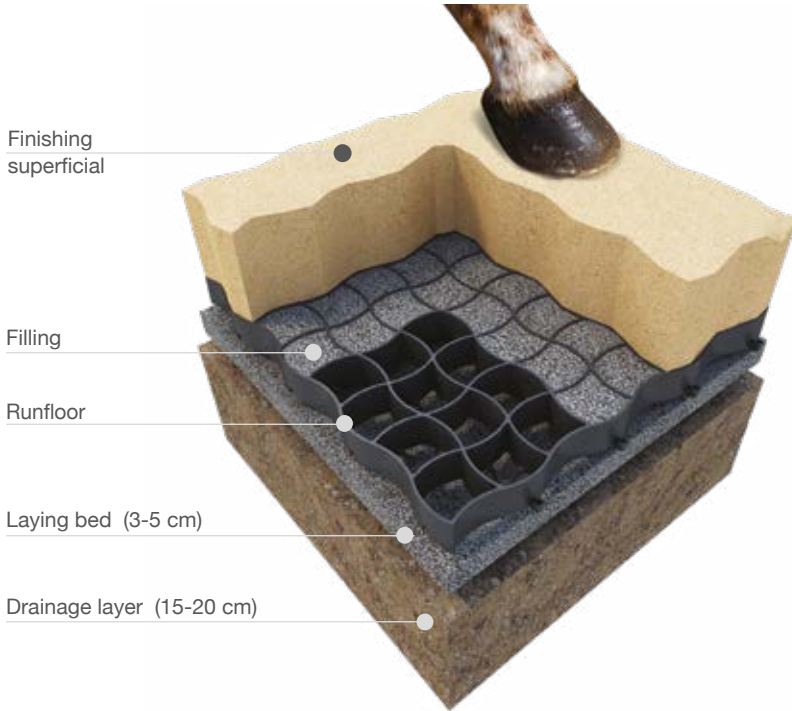


### S05 - STRONG

Ideal for intense work areas and horse gallop, thanks to the thickening of the internal ribs between the cells.



# ON-SITE INSTALLATION



For the correct installation of the stratigraphy necessary for the realisation of horses areas with the product Runfloor, it is required to create a drainage bottom with gravel or crushed stones for a thickness of 15-20 cm.

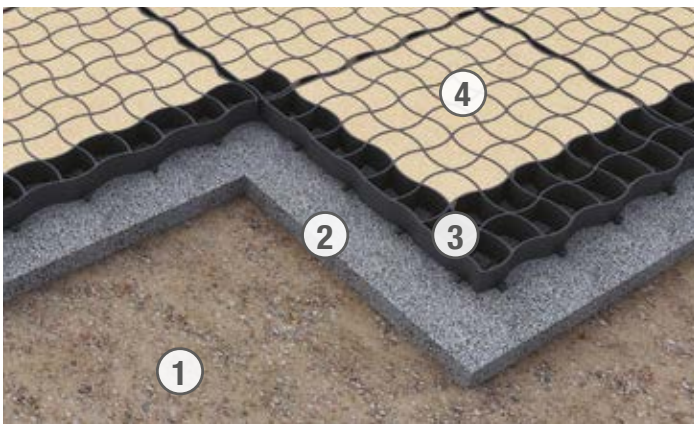
This layer, in addition to having a load-bearing function, maintains the permeability of the site avoiding possible stagnation of water resulting from intense weather events.

It is then necessary to make a laying bed with 0-5 mm gravel for 3-5 cm and place the grid Runfloor.

Runfloor stabilizes the equestrian surface without straining the articulations of the horses.

Finally fill and finish the surface according to the intended use of the area: paddock or work field.

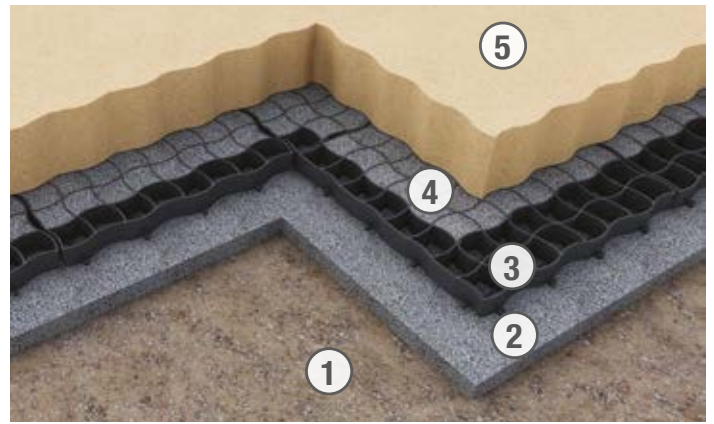
## STRATIGRAPHY PADDOCK



APPLICATION WITH ONLY FILLING

- ① Gravel draining bottom
- ② Gravel laying bed
- ③ Runfloor
- ④ Filling runfloor with sand

## STRATIGRAPHY WORK FIELD



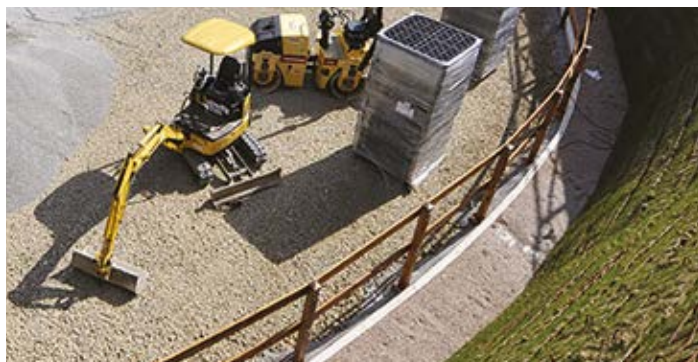
APPLICATION WITH FURTHER STRATIGRAPHY

- ① Gravel draining bottom
- ② Gravel laying bed
- ③ Runfloor
- ④ Filling runfloor gravel
- ⑤ Covering runfloor with sand





# ON-SITE INSTALLATION



## ① EXCAVATION

Realization and compaction of the bottom trench (slope 1%); in the presence of a unstable soil we recommend laying a geotextile TNT of 150 g/m<sup>2</sup>.



## ② DRAINAGE LAYER

Execution of stabilisation and drainage foundation with washed gravel for a thickness of 15 - 20 cm.



## ③ LAYING BED

Execution of a laying bed for a thickness of 3-5 cm with gravel (particle size of 0-5 mm).



## ④ LAYING RUNFLOOR



## ⑤ FILLING

Level filling of the cells with specific sands for horse riding or with gravel (particle size of 0-5 mm).



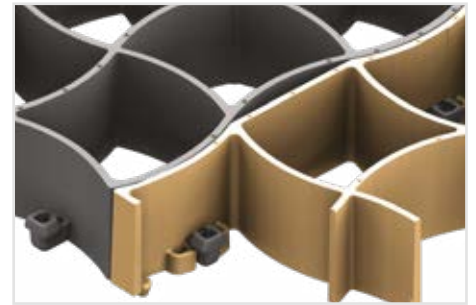
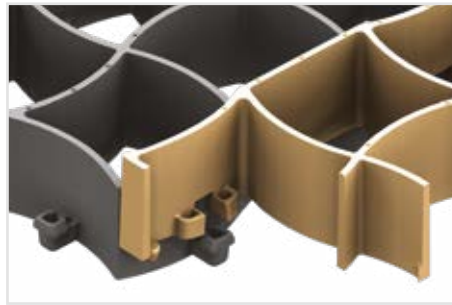
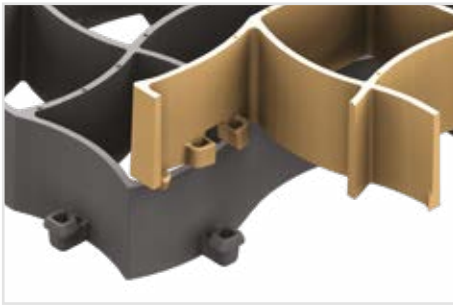
## ⑥ SURFACE FINISHING

Only for race court and training: cover the grid with further stratigraphy in specific sand for horse riding of at least 10-15 cm.



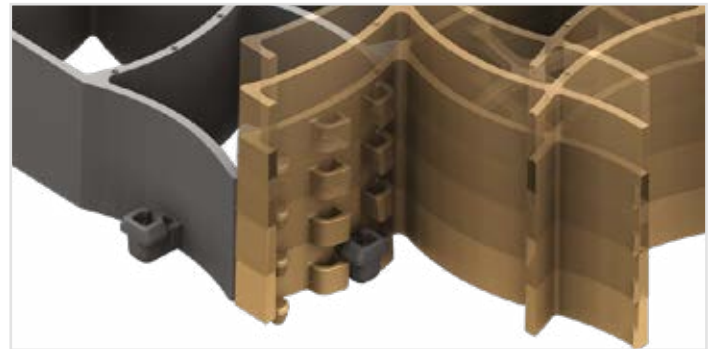
# AN INNOVATIVE LOCKING SYSTEM

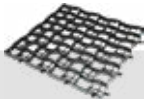
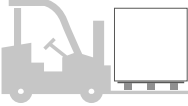



ESTIMATED LAYING TIMES - 100 M<sup>2</sup> / H / WORKER

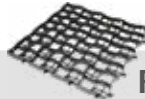



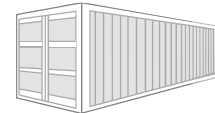


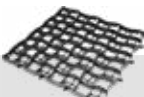
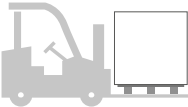



The innovative bayonet locking system (male-female) facilitates the installation and ensures a perfect coupling between the grids. The characteristic “click” indicates that the junction has been performed correctly.


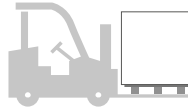



It is possible and recommended to pre-assemble the grid elements in order to speed up the installation. The Runfloor locking system makes the elements mutually integral, reduces the displacements of the operator during laying and filling, avoids the lifting of one element with respect to the other.



 <b>RUNFLOOR 58-F03 - FLEXIBLE</b>	
PALLET cm 120 x 120 <b>100 m<sup>2</sup></b> 	LORRY (13,6 m) <b>2200 m<sup>2</sup></b> 
CONTAINER 20 BOX <b>800 m<sup>2</sup></b> 	CONTAINER 40 HC <b>2053 m<sup>2</sup></b> 

 <b>RUNFLOOR 58-F04 - INTERMEDIATE</b>	
PALLET cm 120 x 120 <b>76 m<sup>2</sup></b> 	LORRY (13,6 m) <b>1672 m<sup>2</sup></b> 
CONTAINER 20 BOX <b>594 m<sup>2</sup></b> 	CONTAINER 40 HC <b>1520 m<sup>2</sup></b> 

 <b>RUNFLOOR 58-F05 - UNIVERSAL</b>	
PALLET cm 120 x 120 <b>60 m<sup>2</sup></b> 	LORRY (13,6 m) <b>1320 m<sup>2</sup></b> 
CONTAINER 20 BOX <b>468 m<sup>2</sup></b> 	CONTAINER 40 HC <b>1226 m<sup>2</sup></b> 

 <b>RUNFLOOR 40-S05 - STRONG</b>	
PALLET cm 85 x 125 <b>45 m<sup>2</sup></b> 	LORRY (13,6 m) <b>1350 m<sup>2</sup></b> 
CONTAINER 20 BOX <b>470 m<sup>2</sup></b> 	CONTAINER 40 HC <b>1187 m<sup>2</sup></b> 

# GLOBAL PROJECTS

Since 2007 Geoplast has the privilege to supply solutions to thousands of customers in every continent.



**GRIPPER Multipurpose Court Feuerstein-Arena  
WERNINGERODE, GERMANY**



**GRIPPER Basket Courts BCEAO  
DAKAR, SENEGAL**



**GEOSKI Fly Land  
MIDDLE EAST**



**RUNFLOOR Riding School  
EBERSTALZELL - AUSTRIA**





**Geoplast**  
Building beyond together

**Geoplast S.p.A.**

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