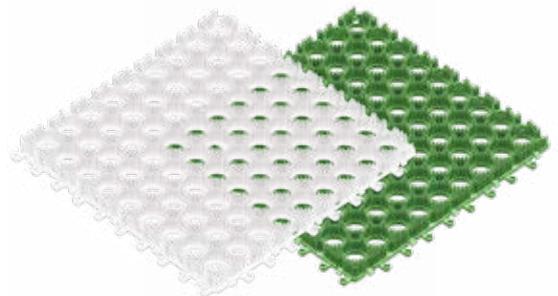




- ✓ **VERSATILE**
- ✓ **SAFE**
- ✓ **ECO-FRIENDLY**

GEOSKI

HIGH-PERFORMANCE SURFACE FOR WINTER SPORTS IN POLYETHYLENE



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.



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.



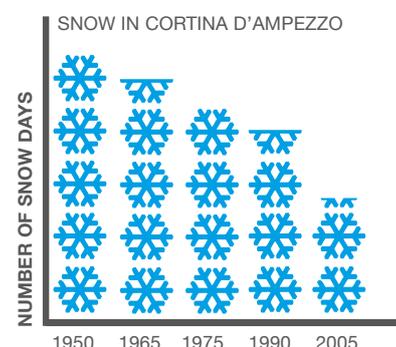
WINTER SPORTS



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.

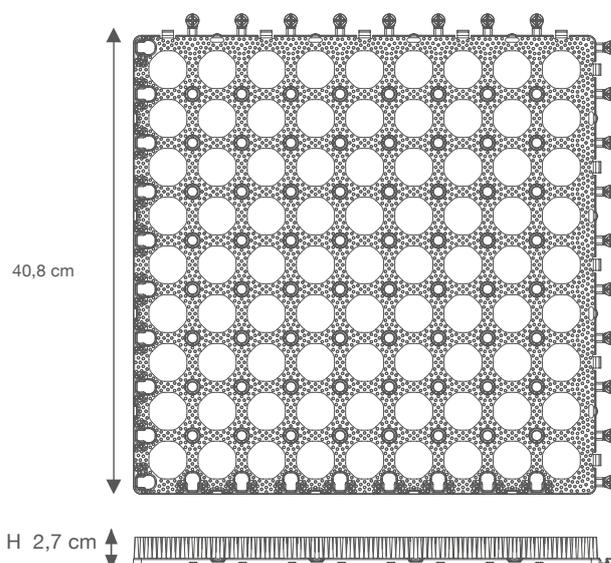
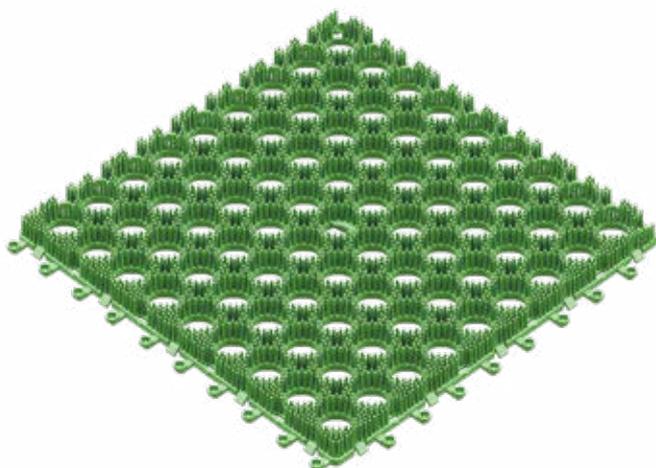
Many ski resorts are suffering from the absence of snow, which causes heavy financial consequences, and are forced to reconsider their “vocation”: the most modern and avant-garde installations delay the seasonal openings, because the weather conditions do not allow the creation of the foundation necessary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



GLOBAL WARMING



GEOSKI TECHNICAL DATA



Size	40,8 x 40,8 x H 2,7 cm
Weight	5,3 kg/m ²
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 ²

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

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.

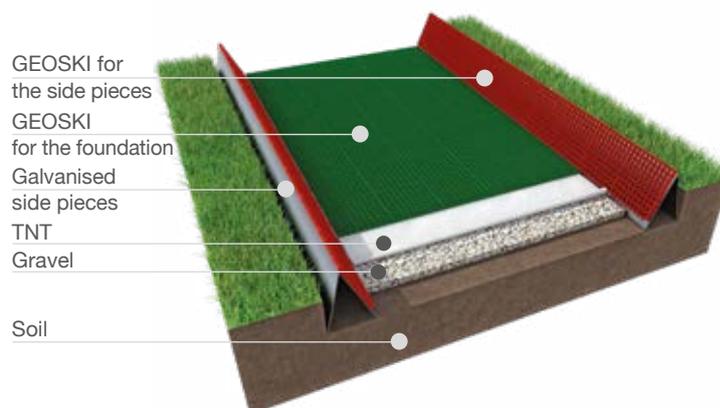
Geoski Tubing perfectly recreates the snowy conditions of a snow park and is great fun thanks to the creation of a safe artificial track without ice. It is extremely easy to install and can be realized with variable inclinations and customizable colours.

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



TRACK COMPOSITION:

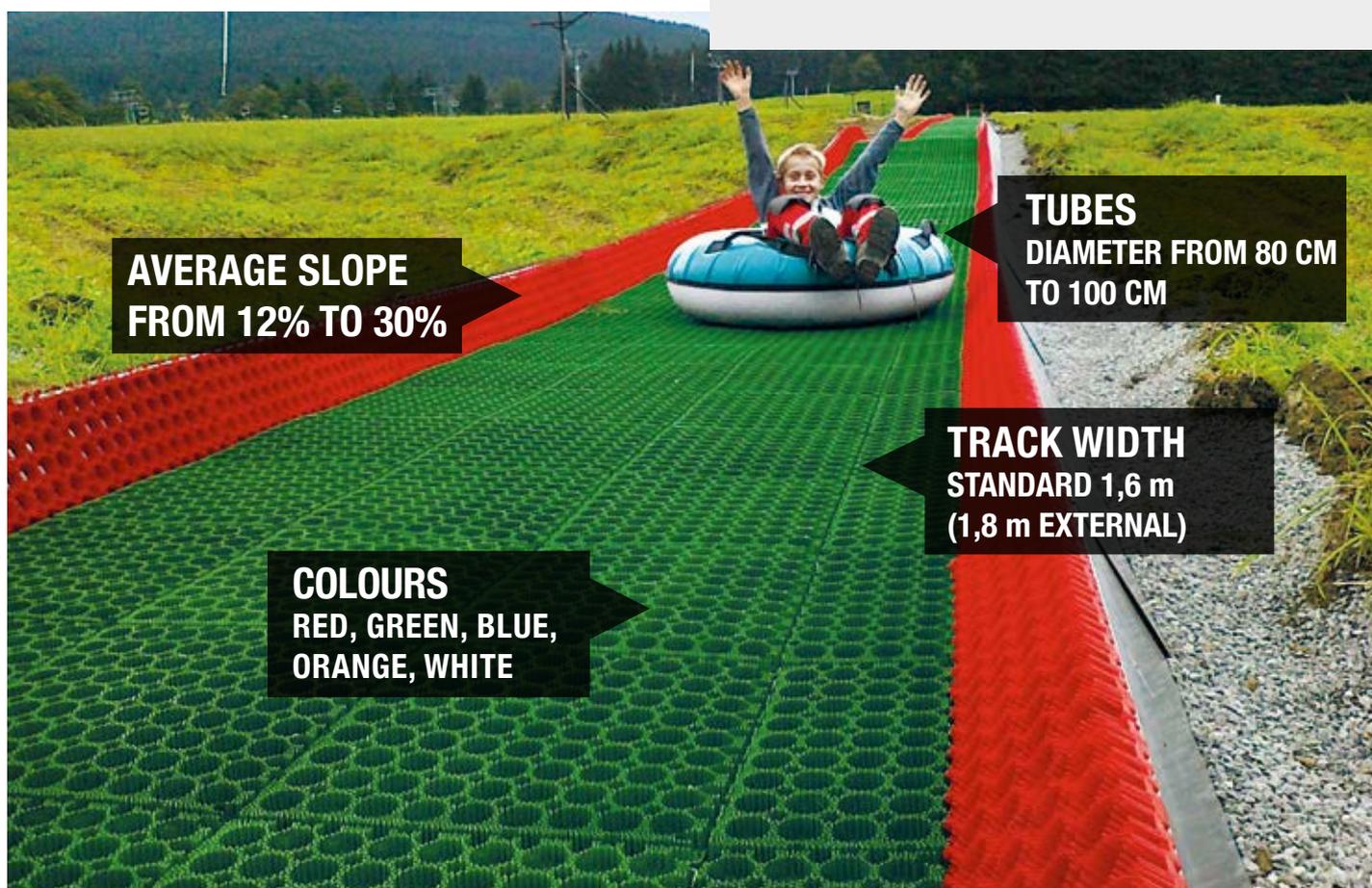
- 1 Remove the material on the surface.
Model and design the track with the help of machines.
- 2 Fill with gravel to allow proper drainage of the system and at the same time to provide solid foundations for the construction of the Tubing track.
- 3 Place the TNT (non woven fabric) along the entire length 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.



Geoplast
Building beyond together

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