



World's No.1 for **Turf** Protection

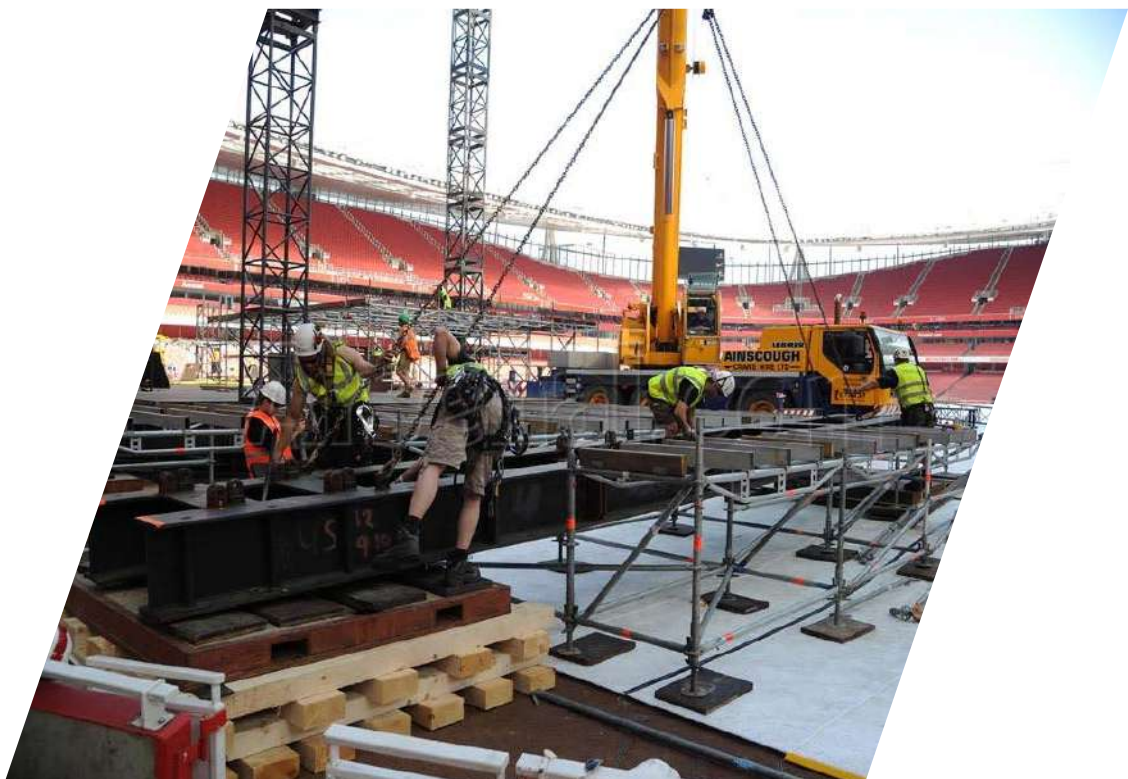


terratrak<sup>®</sup>plus Driveable Stadium Access  
Indoor & Outdoor

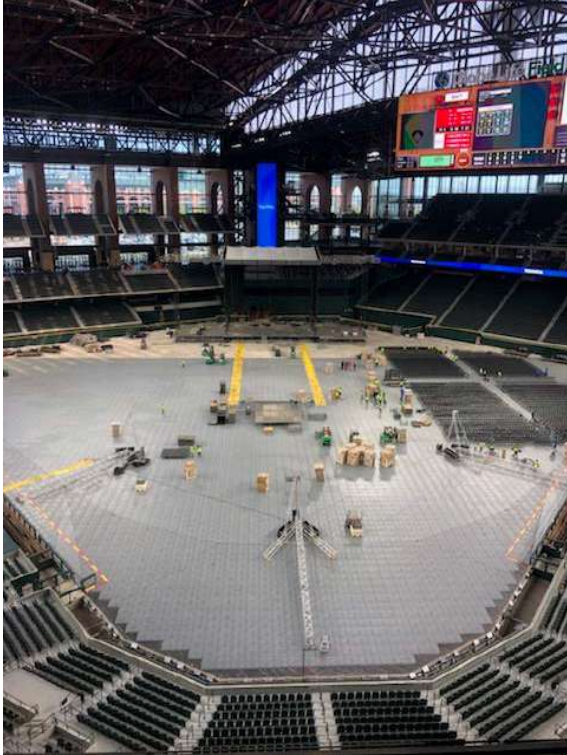
### FACTS about terratrak<sup>®</sup>plus:

- STRONGEST .....1,057+ PSI - Certified
- LONGEST GUARANTEE ...10 years – incl. camlocks/bolts
- SAFEST .....Certified Non-Slip Surface
- PROVEN .....Purchased by more National Stadiums Worldwide than all other products combined

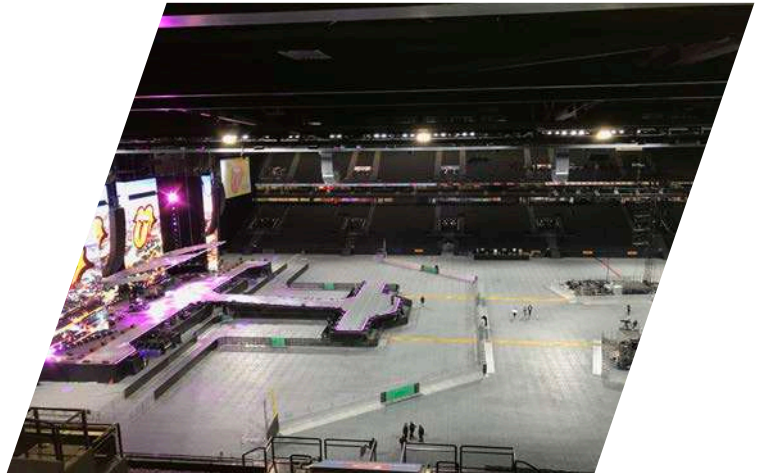
ONE Product – THREE Solutions  
Each one tailored to suit your exact needs







All **terrtrak plus** products allow direct movement of very heavy loads, including fully loaded trucks, forklifts, 100 ton cranes etc into and out of the stadium for easy stage construction and movement of equipment, without damaging the field.



Each of the 3 Solutions has been individually designed to address specific situations for Indoor and Outdoor applications

**terrtrak<sup>®</sup>plus**

**Outdoor**

for Natural Grass | Hybrid Turf | Artificial Turf & other surfaces | Translucent

**with UV stabiliser & Seal**

**terrtrak<sup>®</sup>plus<sup>SV</sup>**

**Outdoor**

for Artificial Turf | /Athletic tracks | Grey Colour

**with UV stabiliser & Seal**

**terrtrak<sup>®</sup>plus<sup>ID</sup>**

**Outdoor | Indoor**

for Artificial Turf | /Athletic tracks | Grey Colour

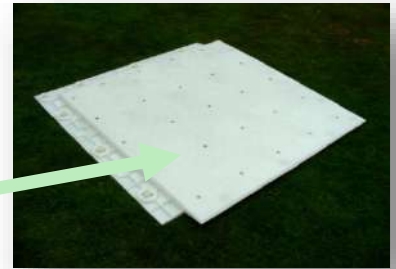
**with UV stabiliser but no Seal**

# terrtrak<sup>®</sup> plus

## SOLUTIONS SPECIFICATIONS



Top surface with integrated anti-slip

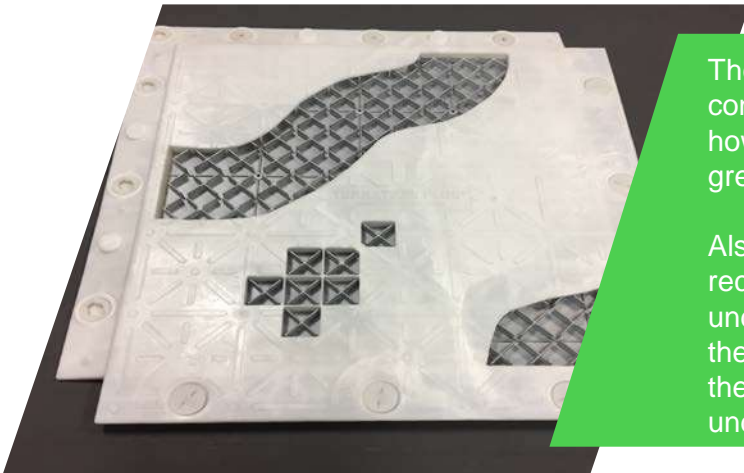


Completely flat underside

<b>Dimensions (Physical)</b> <b>Dimensions (Usable)</b>	1.2m (4') x 1.2m (4') x 38 mm (1½"). Bolted together in <b>2s</b> at the factory and shipped on pallets. Each tile has a "Usable" top surface when fitted of 1.21m² (13.02ft²). Each bolted panel measures 1.1m(3'6")x 2.2m (7') 2.42m² (26.05ft²) "Usable".
<b>Weight</b>	23kgs per tile/ 50.6lbs per tile 19kgs m²/3.88lbs per ft² Each bolted panel weighs 46kgs / 101lbs
<b>Material</b>	Virgin High Density Polyethylene. Fully recyclable (the strongest material available)
<b>Method of Manufacture</b>	Structural foam Injection moulded using a blowing agent, which produces an engineering foam moulding with strength enhancing cellular core
<b>Temperature Range</b>	-20°C to 60°C (-4°F to 140°F)
<b>Weight Loading</b>	<b>kN per m²</b> 7,800 <b>PSI</b> <b>1,057 - 1,130</b> <b>lbf per ft²</b> 163,000
<b>Fire Requirements</b>	UL94 HB
<b>Colours</b>	Translucent for natural/hybrid sports turf or Light Grey for other surfaces
<b>Cleaning</b>	High pressure spray washer or Steam cleaner or special cleaning machine
<b>Product Guarantee/ UV Guarantee/ Life Expectancy</b>	10 year Guarantee – including camlocks & bolts. 30 year UV Guarantee (UV additive products only) against UV degradation 20 year Realistic life expectancy
<b>Slip Resistance</b>	Integral slip-resistant surface (complies with all Health & Safety requirements – certification supplied)
<b>Overlap</b>	Full 100mm (4") Overlap, which increases its strength & holds the patented camlock/bolts. Plus it incorporates 'location bosses' for easy alignment for fitting that also act as stabilisers to resist twisting under duress.
<b>Fitting Times</b>	Due to its large panel size & locating 'bosses' it has the fastest laying time of any product available c. 1,000m² per hour. To increase this speed bi-directional connectors are available, which can virtually double the amount of tiles fitted per hour. Access under the tiles can easily be gained by removing any pair of tiles
<b>Shipping Information</b>	<b>UK 13.6m truck</b> 1,000 tiles / 1,210m² / 13,024ft² <b>48ft truck (aluminium frame)</b> 884 tiles / 1,070m² / 11,517ft² <b>40ft HC container</b> 800 tiles / 968m² / 10,420ft² <b>20ft GP container</b> 428 tiles / 518m² / 5,576ft²
<b>Surfaces to protect</b>	Natural & Hybrid Sports Turf / Artificial/Synthetic Turf / Athletics Tracks / Stripped Turf / other non-grass surfaces



Protect your athletic track & artificial turf playing surface with terrtrak plus Solutions



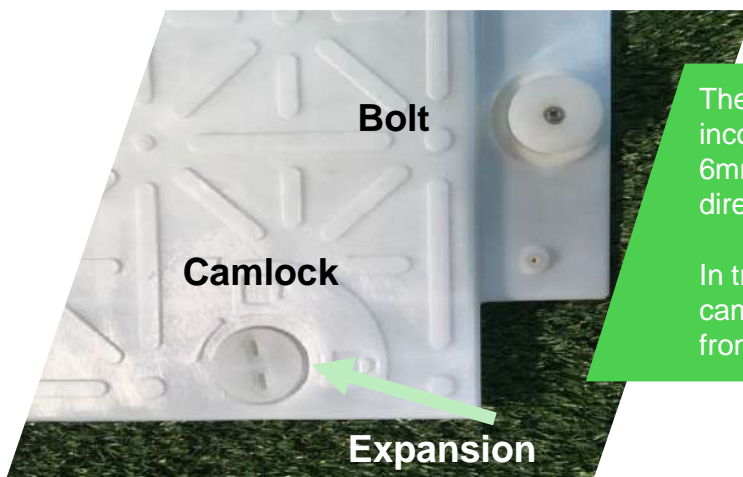
The cut-out sections show the tile construction of all Solutions, demonstrating how its incredible strength is achieved. The grey parts are for illustration purposes.

Also shown are the camlock tops & receptors, plus the “bosses” along the underlapping edge – which aid positioning of the tiles during fitting, give extra strength in the overlapping edge and stop lateral twisting under the duress of moving vehicles.





All of the **terratrak plus** Solutions are bolted into 2s at the factory prior to despatch. Each panel of 2 tiles locks to its adjacent panels by means of patented vertical camlocks, producing a very strong temporary roadway over which to move heavy vehicles.



The vertical camlock and bolt fixings incorporate 3mm of expansion, giving a total of 6mm expansion/contraction per tile, in all directions.

In translucent tiles for natural grass, the camlock and bolt fixings are also manufactured from translucent material to let light through.

Top side of the vertical locking cam that locks the tiles into place.

Vertical Bolts are used to semi-permanently attach 2-tiles together, creating a panel measuring 1.1m x 2.2m / 43" x 87" – easily handled by 2 people for very fast fitting and lifting

The Vertical Cam Receiver connects with the male cam. Each is securely locked using a T-Bar connecting key (*supplied*) to turn 90°.



# terrtrak<sup>®</sup> plus

## EDGE RAMPS

To protect the public from trip hazards, **terrtrak** edge ramps have been specially designed to create a smooth transition from ground to tile system, while complying with all Health & Safety regulations.



These ramps are available in red & yellow so that they can be fitted in alternating colours to ensure attention is drawn to the edges. The male and female formats allow each edge ramp to lock to its adjacent tile.

The edge ramps are manufactured with inbuilt 'bosses' so that where extremely heavy vehicular access is required, a base can be easily fitted to increase the strength even further.



Gain access to any area of terrtrak/terrtrak plus

using highly visible edge ramps for a smooth transition.  
(compatible with all of the **terrtrak** product family)

# terrtrak<sup>®</sup> plus

## BI-DIRECTIONAL CONNECTORS

### SPEED IS OF THE ESSENCE!

Advanced Accessories from Terraplas – for an even faster turnaround

Fitting times are critical when formulating calendars for special events, meaning that the ability to lay the turf protection in multiple directions at the same time is vital, saving on labour costs while at the same time reducing the period the turf needs to be covered!!

Terraplas' unique multi-directional connectors minimise fitting times by allowing the Crews to start at the middle of the pitch and fit outwards in both directions simultaneously – with laying around mixer/delay towers quick and easy!



Female-Female



Male-Female



Male-Male

Bi-Directional connectors are available in translucent, or any colour to match the tile colour for use indoors.  
(compatible with all of the **terratrak** product family)



# terrtrak<sup>®</sup> plus

## FLEXI-ADAPTER

All plastic materials are by nature subject to expansion and contraction as a consequence of variations in temperature.

Whilst all Terraplas products are designed to accommodate the necessary 1mm per 10° temperature change, this adapter accommodates **up to 80mm additional** expansion/contraction, in each direction, allowing for the most **extreme** fluctuations in temperature.

Normally we recommend fitting Terraplas systems overnight, which means that the ambient conditions are more stable, reducing expansion/contraction.

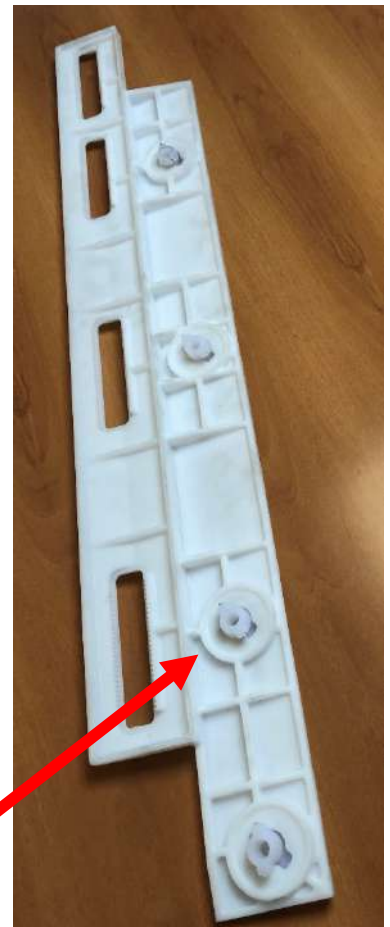
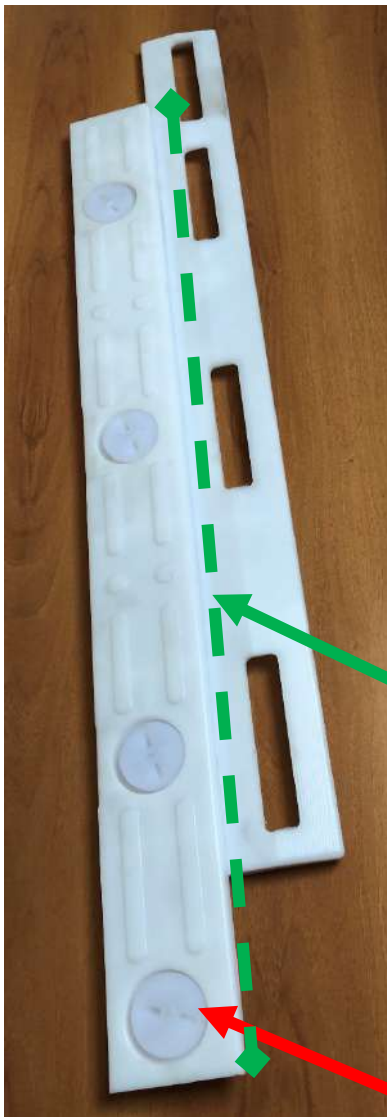
However, these unique flexi-adapters counter all fitting conditions – including misalignment during laying.

The flexi-adapters also facilitate the fitting of new tiles with older tiles where, inevitably, the lockability 'tightens' after a period of use.

The middle section of each unit measures 1.1 linear metre, to match terratrak<sup>®</sup> tiles

*Underside.*

*Top showing special – male cams & female slots*



Compatible with all of the terratrak product family

# terrtrak<sup>®</sup> plus

## LOAD PROTOCOLS

Samples of the terratrak plus ID variant, were sent to the **University of Manchester (UK), School of Mechanical, Aerospace & Civil Engineering**, for independent analytical point- and spread- load testing procedures to be performed on the material. One of these procedures used machines calibrated to establish the point at which applied downward force, on one square foot of the material, started to adversely affect the structural integrity of the product. This process defines the spread load capacity of the product in a laboratory environment using metal flat surfaces with pressure applied to the top surface of the material.

The spread load per square metre for terratrak plus-ID was established at a staggering 7,800kN (kilonewtons) and a 'psi' (*lbs per square inch*) of 1,130.

The spread load per square foot for terratrak plus-ID was established at a staggering 163,000 lbs and a 'psi' (*lbs per square inch*) of 1,130.



The crane is in place for the stage build at Fed Ex Stadium, home to the Washington Redskins of the National Football League. The vertical load resistance of terratrak plus and terratrak plus-ID proves that they are **the most versatile and strongest drivable cover products on the market today.**

terratrak plus-ID is generally used as a drivable field cover for synthetic fields. Equipment such as forklifts, cranes, tractor trailers, etc. are standard use on the product.

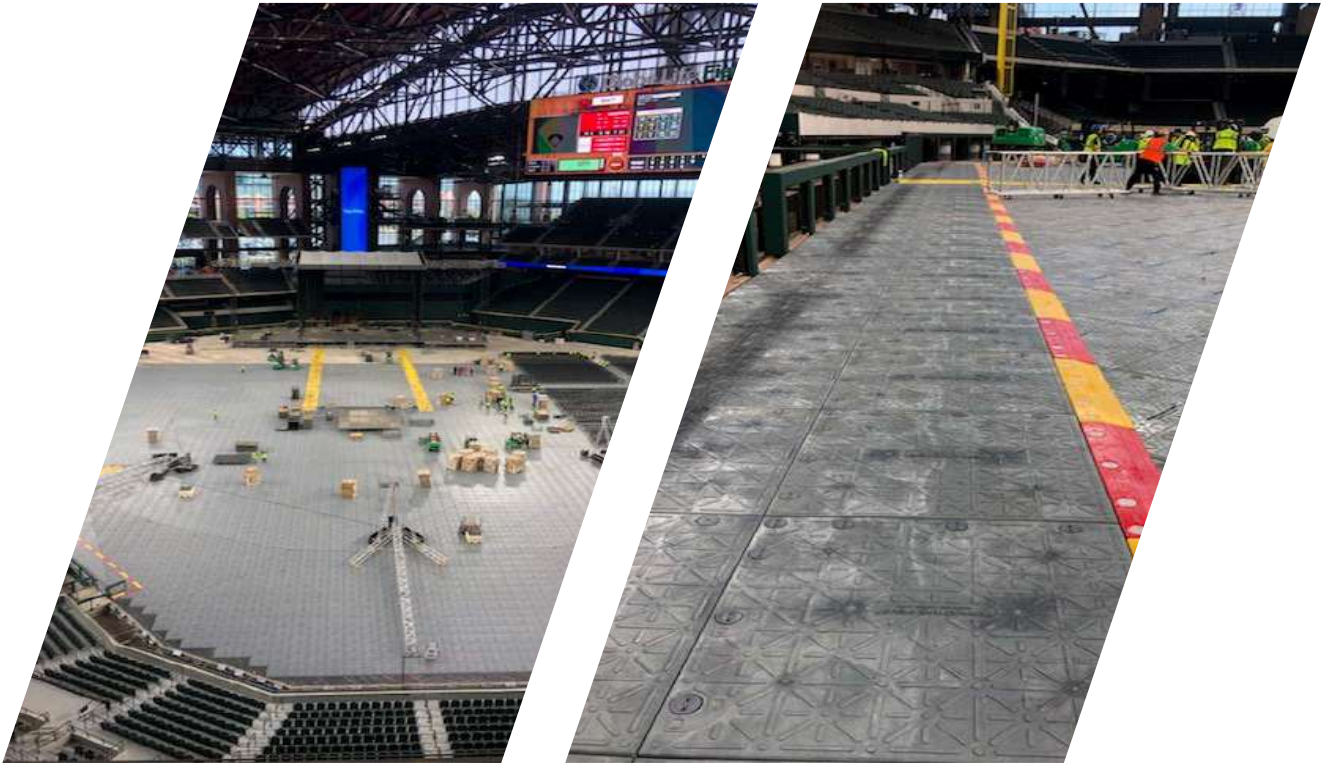
The product is designed to protect artificial/synthetic turf fields/athletics tracks during events, leaving little to no maintenance requirement after each event.

As with **terratrak plus**, the **terratrak plus Solutions** have a flat base and use the same moulds for the engineered internal structure, however, whereas **terratrak<sup>®</sup> plus** is designed for use on natural grass and therefore is constructed from translucent virgin HDPE, the other **terratrak plus Solutions** are manufactured in light grey HDPE.

All the **terratrak** family of products use the same very strong (nylon 66) locking system of cams and bolts and are designed to lock together seamlessly.



The Texas Rangers in Arlington, USA took delivery of their terratrak<sup>®</sup>plus<sup>S</sup>ID in early 2020.



The photo on the left shows the fully fitted system, while the image on the right shows the overlay and ramped edges, which remove the stairstep effect created when fitting in a baseball stadium.

To compliment the 3 **terrtrak plus** Solutions, Pedestrian versions are also available (*which also accommodate light to medium weight vehicles with pneumatic tyres*):

terratrak <sup>®</sup> WF for natural grass	With Feet & UV Stabiliser   Outdoor   translucent
terratrak <sup>®</sup> NF for artificial turf	No Feet + UV stabiliser   Outdoor   translucent
terratrak <sup>®</sup> ID for artificial turf	No Feet + UV stabiliser   Indoor/Outdoor   Grey colour



World's No.1 for *Turf* Protection

## FOR FURTHER INFORMATION:

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