

TuffTrak[®]

Ground Protection Solutions

HEAVY DUTY GROUND PROTECTION & TEMPORARY ACCESS ROADS



About TuffTrak®

TuffTrak® is the market leader in temporary access roads and ground protection solutions. We are committed to making quality products and delivering the highest levels of performance, quality and value.

What started out as 4 companies, AlturnaMats, SVE Portable Roadway System, Zigma Ground Solutions and Terraplas have joined forces as part of the Checkers Safety Group under the TuffTrak® brand to become a leading manufacturer of the largest range of temporary roadways, ground protection and turf protection products.

The unification of these heavy duty matting entrepreneurs brings together over 30 years of industry experience, innovative product design, specialized raw material capabilities, and manufacturing technologies to deliver effective and safe temporary access, ground and turf protection solutions worldwide.

As part of our commitment to providing quality and performance, we play an active role in ensuring that our customers get the best out of our products. Our success is built on listening to and responding to our customers' specific requirements and problems, as we strive to provide them with cost effective and an innovative solution. We understand that safety is paramount, speed of deployment is critical, and durability standards need to meet the toughest and most extreme working environments. We take the time to fully understand our customers' unique and specific project requirements considering ground and weather conditions as well as the range of vehicles, construction site or plant and personnel involved in their project.

Why Ground Protection Mats?

Ground conditions play a significant role in field operations and projects that need access to remote sites. Wet, muddy or uneven ground conditions can cause projects to be delayed or even halted. This can lead to significant commercial loss such as unrecoverable management time, loss of reputation and effect on future workloads. Unstable ground conditions are also frequent cause of minor incidents and near misses on sites. Even worse, complete failure of the ground has caused serious injuries and fatalities.





Benefits of Ground Protection

Trackway panels get heavy equipment safely through mud, sand, snow and swampland conditions by creating temporary access roads and working platforms. Access to and from remote sites and a stable work area are a critical safety solution in the oil & gas, drilling, transmission, renewable energy, utilities, civil engineering, infrastructure, and construction industries.

Ground protection mats also prevent environmental damage to agricultural land, heritage sites or sensitive eco systems and cross contamination between sites.

Ground protection mats can also be used for stadiums, events, golf courses, landscaping, tree care, cemeteries; wherever saving the costs of remedial ground restoration is a factor. The ground protection mats are then used to create temporary access roads, parking lots, or walkways providing safe pedestrian and access routes for the duration of an event while virtually eliminating severe rutting or damage to ground and landscaping and can ensure that vehicles, machinery and people can move freely on projects without becoming stuck in the mud or damaging sensitive ground, natural grass or turf.

Turf protection panels and mats were specifically developed for applications that demand precautions be used to avoid the burning and/or brown-out effects of heat caused by sun and high heat work environment. Some specific applications will be found in the turf and landscape markets such as golf courses, irrigation, and pool installers as well as for events and in stadiums.

TuffTrak® ground protection mats are the popular choice among professionals. They are easy to use, quick to deploy, lock into place to form a continuous, solid, safe and durable roadway or working platform. They are unequalled for quality and performance even under the most hazardous conditions.

Heavy Duty Mats

TuffTrak® has a full range of market leading heavy duty composite ground protection mats delivering a safer working environment for temporary access roadways, trackways, and working platforms. Our heavy duty mats are capable of supporting heavy loads in excess of 600 psi* and are highly resilient even in the most extreme weather and ground conditions. With our diverse range of heavy duty mats, TuffTrak® is able to provide you with a heavy duty ground protection solution for any application.



TuffTrak® XT is an extreme heavy duty road mat specifically designed for the most challenging ground conditions. The mat features the rugged chevron traction® nub surface that ensures optimal grip in even the most adverse ground conditions. With a 600 psi* compressive load capacity, this extreme temporary ground protection solution can withstand all weather and ground conditions including wetlands, marshlands, peat bogs, and river deltas.

The TuffTrak® XT can be installed quickly and efficiently with our Four3™ camlock connector using a minimum of 2 or up to 16 connection points. The combination of the Four3™ camlock and the overlap connectors lock adjacent mats firmly together creating a monolithic working platform delivering superior strength. This semi-barrier keeps dirt and grime below the surface for a clean and secure working platform. The special format of these connection points creates the opportunity for the positional adjustment of mats allowing various configurations.

- **High Molecular Weight Polyethylene (HMWPE) construction**
- **Chevron traction® surface nub design for maximum grip**
- **Strengthened overlaps for extra durability at connector and corner points**
- **Available in other colours on demand**
- **Exclusive Four3™ camlock connector**
- **2 fixing points per mat required out of 16, allowing multiple configurations**
- **Foam filled cellular core prevents intake of liquids**
- **Specially designed for roadways and work pads**

TUFFTRAK® XT

TuffTrak® XT is an extreme heavy duty ground protection solution with a load capacity in excess of 600 psi*. Durable, robust, and weather resistant, the TuffTrak® XT is specially designed for use as trackways or workpads in the most extreme conditions.

Material: High Molecular Weight Polyethylene

- 13'1" x 6'5" x 3.54"
- Usable surface area 73.62 ft²
- Weight 794 lbs
- Pure compressive load capacity 600 psi*
- 50 mats per truck / per container
- Chevron traction® surface design
- 200 mm overlap on all sides
- Other colours available on demand



MODEL: TTXT

APPLICATIONS

- Civil Engineering
- Construction
- Oil & Gas
- Utilities
- Transmission
- Infrastructure
- Military Sites
- Events

ACCESSORIES

FOUR3™ CONNECTOR

MODEL: TTXT-43



CONNECTOR TOOL

MODEL: TT-TOOL



The Four3™ camlock connectors for use with TuffTrak® XT are manufactured using a high strength glass reinforced nylon composite with stainless steel core, making the camlock highly robust. The unique Four3™ connector uses a simple drop and twist 1/8 turn camlock allowing a secure and fast installation.

Model	Length	Width	Depth	Weight
TTXT	13'1" (4000 mm)	6'5" (2000 mm)	3.54" (90 mm)	794 lbs (360 kg)
TTXT-43	4.3" (110 mm)	3.54" (90 mm)	1.9" (50 mm)	2.4 lbs (1 kg)
TT-TOOL	41.3" (1050 mm)	18" (457 mm) (handle)	-	6.6 lbs (3 kg)

*Load bearing capacity is dependent on ground conditions.



TerraRoad® has been specifically designed to deliver the lightest weight, heavy duty trackway panel system, providing temporary roadways and working platforms for heavy plant, machinery, and vehicles. It was strategically developed to address this competitive market, with the authoritative assistance of TPA, Europe's Leading Portable Access provider (part of the VP plc Group), whose valuable input ensured that the product was designed to the highest exacting criteria.

The specially engineered surface, featuring our distinctive traction design, creates an impressively stable grip. The grey topped panels are very visible and absorb much less heat in warm conditions than dark coloured mats. Incorporates four metal lifting points and due to its light weight design of only 453 lbs, 5 panels can be lifted at one time for quick deployment, and more transported per container/truck, than any other product in its class. TerraRoad® is connected using a 240 mm overlap with 5 built-in camlock connectors, providing a seamless connection and a monolithic roadway.

Its unique, patented, conical underside delivers incredible strength whilst maintaining its lightweight design by acting as natural stabilisers even when the ground is wet or on sand. The uniquely designed recesses fill up to a maximum of $\frac{2}{3}$ of their depth, effectively becoming 'one' with the ground making the roadway extremely stable with immensely increased strength. The conical shape and remaining air ensure that there is no vacuum effect when lifting and dirt is pushed out of the panels for clean and easy removal.

- **High Molecular Weight High Density Polyethylene Copolymer**
- **Distinctive traction surface design for maximum grip**
- **Strengthened 9.4" overlap**
- **Unique conical underside providing an extremely strong but lightweight solution**
- **Robust built-in patented camlock connectors**
- **5 fixing points per mat, allowing multiple configurations**
- **Lightest weight of just 453 lbs**
- **Specially designed for roadways and work pads**
- **Ramps available to ease access onto the panels**

TERRAROAD®

TerraRoad® is an extreme heavy duty conical core overlap mat specially designed for use as trackways or workpads. It is lightest in weight than most comparable panels weighing just 206 kg. It delivers optimum strength with a 600 psi* load bearing capacity.

Material: High Molecular Weight High Density Polyethylene Copolymer with patented high speed proprietary moulding process.

- 10'1" mm x 7'4" x 3.25"
- Usable surface area 64.6 ft²
- Weight 453 lbs
- Pure compressive load capacity 600 psi*
- 96 mats per truck / 83 per 40 ft container
- Distinctive traction surface



MODEL: TR1

APPLICATIONS

- Civil Engineering
- Construction
- Oil & Gas
- Utilities
- Transmission
- Infrastructure
- Military Sites
- Events

ACCESSORIES

UNDER RAMP

MODEL: TR1-AUR



OVER RAMP

MODEL: TR1-AOR



T-BAR CONNECTING KEY

MODEL: TR1-ATB



Model	Length	Width	Depth	Weight
TR1	10'1" (3050 mm)	7'4" (2240 mm)	3.25" (83 mm)	453 lbs (206 kg)
TR1-AUR	9'10" (3000 mm)	12" (305 mm)	3.25" (83 mm)	165 lbs (75 kg)
TR1-AOR	42" (3000 mm)	12" (305 mm)	3.25" (83 mm)	187 lbs (85 kg)
TR1-ATB	-	-	-	11 lbs (5 kg)

*Load bearing capacity is dependent on ground conditions.



TuffTrak® XL+ one of the largest of the TuffTrak® series, extending the features of the TuffTrak® XL by incorporating an overlap connection system to firmly lock adjacent mats together providing faster installation and increased strength. TuffTrak® XL+ is designed as an extra strong, extra wide roadway, manufactured as a solid one piece 13'5" long composite mat to provide superior support for loads of up to 150 tons*.

TuffTrak® XL+ incorporates a dual grip design featuring our chevron traction® surface, and a low profile surface on the reverse both incorporating micro traction™ to further increase grip. This substantially improves mud dispersal and forward motion of vehicles making the TuffTrak® XL+ ideal for use in the most challenging weather and ground conditions.

- **High Molecular Weight / Ultra High Molecular Weight Polyethylene blend**
- **Chevron traction® surface nub design for maximum grip**
- **One piece solid construction provides superior strength**
- **Extra wide roadway to maximise trackways and work pads**
- **Overlap connection system firmly locks adjacent mats together**
- **Robust Four3™ stubby camlock connector**
- **8 connection points, allowing multiple configurations**
- **Optional reflective markings available for low visibility or night conditions**

TUFFTRAK® XL+

TuffTrak® XL+ is an extra wide heavy duty ground protection solution specially incorporating a 200mm overlap system perfect for use as a trackway or workpad. Manufactured from High Molecular Weight / Ultra High Molecular Weight Polyethylene, it has a load bearing capacity of up to 150 tons.*

Material: High Molecular Weight / Ultra High Molecular Weight Polyethylene

- 13'5" x 6'7" x 1.8"
- Usable surface area 77.5 ft²
- Weight 655 lbs
- Pure compressive load capacity 150 tons*
- 60 mats per truck / 50 per 40 ft container
- Four3™ stubby connector
- Chevron traction® surface



MODEL: TTXLP

APPLICATIONS

- Civil Engineering
- Construction
- Oil & Gas
- Utilities
- Transmission
- Infrastructure
- Military Sites
- Events

ACCESSORIES

**FOUR3™ STUBBY
CAMLOCK
CONNECTOR**
MODEL: TTXLP-43ST



CONNECTOR TOOL
MODEL: TT-TOOL



Model	Length	Width	Depth	Weight
TTXLP	13'4" (4090 mm)	6'7" (2045 mm)	1.8" (47 mm)	655 lbs (297 kg)
TTXLP-43ST	4.3" (110 mm)	1.9" (50 mm)	-	1.3 lbs (0.6 kg)
TT-TOOL	41.3" (1050 mm)	11.8" (300 mm) (handle)	-	6.6 lbs (3kg)

*Load bearing capacity is dependent on ground conditions.



TuffTrak® XL one of the largest in the TuffTrak® range, designed as an extra wide roadway, it's manufactured as a solid one piece 4092 mm long composite mat to provide superior support for loads of up to 150 tons* making TuffTrak® XL the market leader in solid composite heavy duty temporary and access solutions.

Designed with safety in mind, TuffTrak® XL incorporates a dual grip design featuring our chevron traction® surface, and a low profile surface on the reverse both incorporating micro traction™ to further increase grip. This substantially improves mud dispersal and forward motion of vehicles making the TuffTrak® XL ideal for use in the most challenging weather and ground conditions.

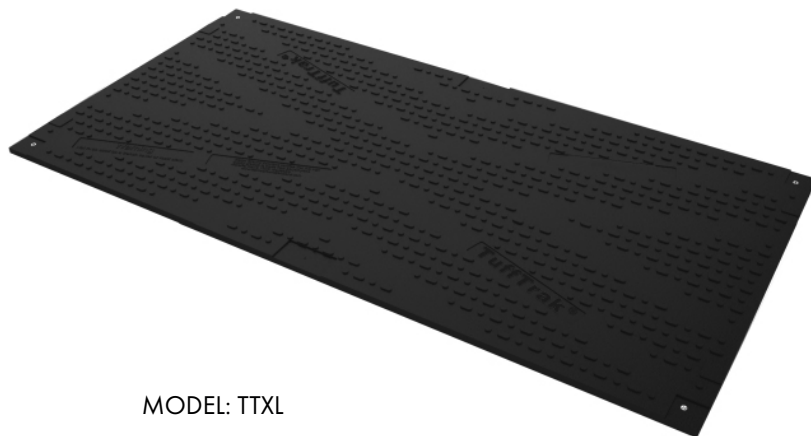
- **Recycled High Molecular Weight Polyethylene (HMWPE) construction**
- **Chevron traction® surface nub design for maximum grip**
- **One piece solid construction provides superior strength**
- **4 fixing points per mat, allowing multiple configurations**
- **Optional reflective markings available for low visibility or night conditions**
- **Extra wide roadway to maximise use as trackways and work pads**

TUFFTRAK® XL

TuffTrak® XL is an extra wide heavy duty ground protection solution specially designed for use as trackways or workpads. Manufactured as a solid one piece construction, it provides superior strength and a load bearing capacity of up to 150 tons*.

Material: High Molecular Weight Polyethylene

- 13'5" x 6'6" x 1.8"
- Usable surface area 89.3 ft²
- Weight 794 lbs
- Pure compressive load capacity 150 tons*
- 50 mats per truck / 40 ft container
- Solid one piece construction
- Chevron traction® surface



MODEL: TTXL

APPLICATIONS

- Civil Engineering
- Construction
- Oil & Gas
- Utilities
- Transmission
- Infrastructure
- Military Sites
- Events

ACCESSORIES

SPRING STEEL CONNECTOR

MODEL: TTASXL2WGY



ACME/T20 HEX HEAD

MODEL: TTASACMEGY



Model	Length	Width	Depth	Weight
TTXL	13'5" (4092 mm)	6'6" (2035 mm)	1.8" (47 mm)	794 lbs (360 kg)
TT-SPRING	4.3" (110 mm)	1.9" (50 mm)	-	0.4 lbs (0.2 kg)
TT-ACMEBOLT	1.1" (30 mm)	0.7" (20 mm)	-	0.2 lbs (0.1 kg)

*Load bearing capacity is dependent on ground conditions.



TuffTrak® ST is the ultimate standard heavy duty road mat ideal for use as temporary roadways, work areas for heavy plant and machinery, drilling rigs, depot or storage areas.

Incorporating a dual grip design featuring our chevron traction® surface, and a low profile surface on the reverse both incorporating micro traction™ to further increase grip. This substantially improves mud dispersal and forward motion of vehicles. TuffTrak® ST's low profile surface reduces the risks of slips, trips, and falls.

TuffTrak® ST has a range of connector options available for use with different ground conditions and projects, with 4 connector points at each corner allows mats to be seamlessly connected together.

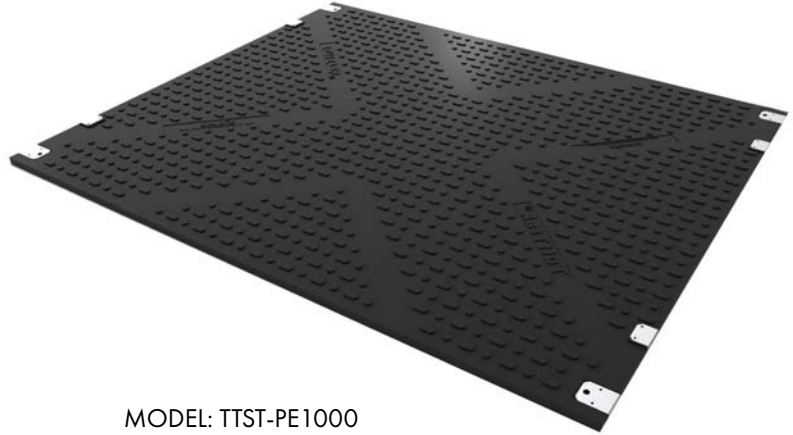
- **100% recycled High Density Polyethylene or Ultra High Molecular Weight Polyethylene**
- **Chevron traction® surface nub design for maximum grip**
- **One piece solid construction provides superior strength**
- **Various connector options available for different ground conditions**
- **4 connector points, allowing seamless connection**
- **Low profile surface on the reverse ideal for pedestrian applications**

TUFFTRAK® ST

TuffTrak® ST is a standard heavy duty ground protection solution specially designed for use as a trackway or workpad providing superior strength and a load bearing capacity of up to 150 tons.*

Material: High Density or Ultra High Molecular Weight Polyethylene

- 9'8" x 8'2" x 1.5"
- Usable surface area 81.8 ft²
- Weight 650 lbs
- Pure compressive load capacity 150 tons*
- 80 mats per truck / 40 ft container
- Chevron traction® surface design



MODEL: TTST-PE1000

APPLICATIONS

- Civil Engineering
- Construction
- Oil & Gas
- Utilities
- Transmission
- Infrastructure
- Military Sites
- Events

ACCESSORIES

STEEL CONNECTOR MODEL: TTASST2WGY



SPRING STEEL CONNECTOR MODEL: TTASST3WGY



FLEX CONNECTOR MODEL: TTASSTFXOR



Model	Length	Width	Depth	Weight
TTST-PE1000	9'8" (3010 mm)	8'2" (2510 mm)	38 mm (1.5")	650.4 lbs (295 kg)
TTST-PE500	9'8" (3010 mm)	8'2" (2510 mm)	38 mm (1.5")	650.4 lbs (295 kg)
TTST-PE300	9'8" (3010 mm)	8'2" (2510 mm)	38 mm (1.5")	650.4 lbs (295 kg)
TT-STEEL	10.2" (260 mm)	1.5" (40 mm)	-	1.1 lbs (0.5 kg)
TT-SPRING	10.2" (260 mm)	1.5" (40 mm)	-	0.66 lbs (0.3 kg)
TT-FLEX	9.4" (240 mm)	2.7" (70 mm)	-	0.66 lbs (0.3 kg)

*Load bearing capacity is dependent on ground conditions.



TuffTrak® offers a full range of market leading composite ground protection mats delivering a safer work environment for temporary access roadways, trackways, working platforms, and turf protection.

E-mail: sales@tufftrak-safety.com
Tel: (877) 384-6103

www.tufftrak-safety.com

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