

TuffTrak[®] XL

Heavy Duty Road Mat



- » Heavy Duty Road Mat
- » Incredibly Tough & Flexible
- » Unique Dual Grip Capability
 - Chevron traction[®] surface
 - Low profile traction

Depicts high profile
Chevron Traction[®] surface

zigma[®]
Ground Solutions
The fast and safe way forward

TuffTrak[®] XL

Heavy Duty Road Mat



Depicts low profile traction surface



Heavy Duty Road Mats

TuffTrak[®] XL is the ultimate heavy duty road mat for temporary roadways and work areas for heavy equipment, machinery and multiple vehicles with a weight loading to over 330,693lbs (150,000kg) dependent on ground conditions*.

Incredibly Tough & Flexible

Unlike other composite mats, TuffTrak[®] XL is made from tough Ultra High Molecular Weight Polyethylene (UHMWPE). TuffTrak[®] XL is the market's leading 100% solid compression molded mat and is chemically inert making it ideal for use on eco sensitive sites. Being solid means that it cannot be punctured - avoiding the intake of liquids and reducing the threat of invasive species or cross contamination between sites.

Chevron Traction[®] Surface

The engineered, unique chevron traction[®] surface delivers ultimate grip and helps to dispel mud while vehicles traverse over them.

The chevron nub design reduces sideways movement and slippage delivering optimal forward traction for heavy vehicles and machinery.

Logistics

TuffTrak[®] XL is lighter to transport than most alternative composite and other matting products. More mats can, therefore, be loaded on to trailers or in to containers, reducing transportation costs.

*Compression tested at National Physical Laboratory, UK



Advantages

- » Solid one piece construction
- » Ultra High Molecular Weight
- » Unique Chevron Traction® surface
- » Lower transport unit area cost than other composite mats
- » Tough durable working areas and temporary roads for heavy equipment and multiple vehicles
- » Protects against severe rutting and eco damage to ground and sensitive sites
- » Supports health & safety objectives
- » A reversible low profile surface for drilling rigs, work pads, depot areas and helipads
- » Connection options for different terrain & equipment
- » Non-conductive - ideal for use on transmission projects
- » ACME thread connection - quick & robust

The internationally proven TuffTrak®XL from Zigma® Ground Solutions delivers heavy duty temporary access for all weather and ground conditions within;

- » Civil Engineering
- » Construction
- » Oil & Gas
- » Transmission
- » Infrastructure
- » Utilities maintenance
- » Military sites
- » Events

zigma[®]
Ground Solutions
The fast and safe way forward



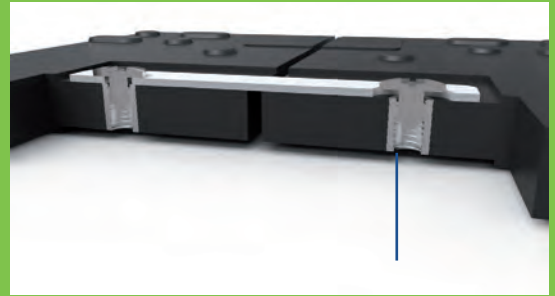
Product Specifications

TuffTrak®XL Heavy Duty Road Mat

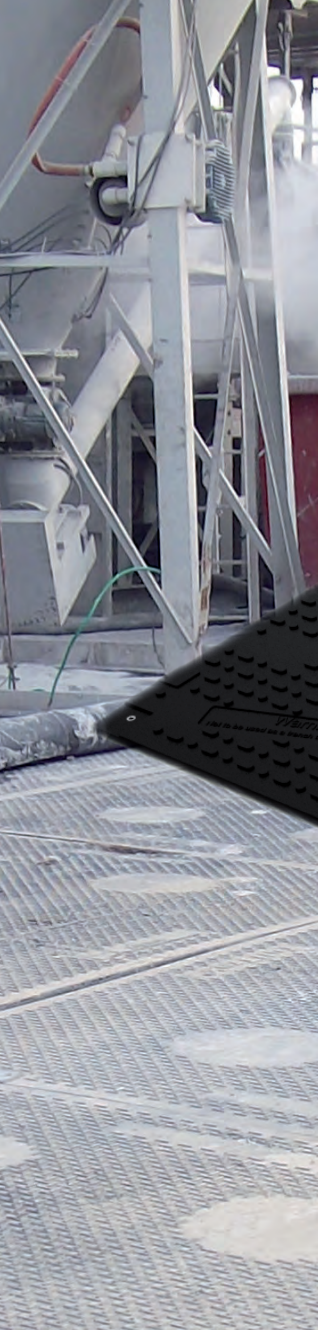
Material: Ultra High Molecular Weight Polyethylene (UHMWPE)

Size: 13'5" x 6'8" x 1.85"

Weight: 794lbs



TuffTrak®XL ACME thread connection



TuffTrak®XL is fast to install with a simple drop in ACME bolt. The unique chevron traction® surface is regarded as the most effective in the market and is ideal when the weather or ground conditions rapidly deteriorate.

Connection Systems

- » ACME bolt- strong, easy and fast to thread
- » ACME bolt - helps push out mud and grit
- » Recessed connection area to maintain low profile
- » UHMWPE and nylon connectors flex to aid connection for uneven ground
- » Metal connectors for heavy equipment
- » High tensile, hi-viz 'flex' connectors for increased safety and performance over undulating ground

To request a full installation guide please call on +44 (0) 845 6456 388



Technical Product Information

For use as a technical guide only

TuffTrak®XL Heavy Duty Road Mat

Material:	Ultra High Molecular Weight Polyethylene (UHMWPE)
Size:	13'5" (4092mm) x 6'8" (2035mm) x 1.85" (45mm); overall thickness 2.125" (54mm)
Weight:	794lbs (360kg)

Weight loading	150 tons*
Material	Premium recycled or virgin Ultra High Molecular Weight Polyethylene (UHMWPE) Choice of colors for virgin UHMWPE Additive packages for UV protection and static dissipation are available
Material strength	Compression loads in excess of 1500psi (110kg/cm ²) have been recorded during tests undertaken at an accredited UK laboratory.
Temperature variations	Zigma® products are used globally in many geographic locations covering a wide range of temperatures. The recommended operating temperature range is -58 °F to 176 °F.
Colors available	Black for recycled UHMWPE. Choice of colors for virgin UHMWPE.
Connectivity	'Drop in' ACME bolt UHMWPE and nylon connectors for uneven ground Metal connectors for heavy equipment High tensile, hi-viz 'flex' connectors over undulating ground
Dual grip capability	The unique high profile chevron traction® surface delivers ultimate grip and reduces sideways movement and slippage, delivering optimal forward traction for heavy machinery, equipment and vehicles. Low profile traction surface on reverse of the mat.
Environmental features	Weather proof, water and chemical resistant. UHMW polyethylene is resistant to acids, alkalis and solvents.
Logistics	60 TuffTrak®XL per 48,000lb flatbed trailer. 50 TuffTrak®XL per ocean container.
Customization	Corporate logo and contact details can be added, subject to minimum order.



Health and Safety Information

General

Critical hazards to man and environment	None
Environment	The disposal of the material presents no danger regarding toxicological and precautions or ecological considerations. Due to low water solubility, bio-availability unlikely.
Solubility in water	Insoluble
Regulatory	Not classified as hazardous under transport regulations.

Safety Properties

Melting point	Crystalline Melt Temperature 248- 284°F (135 -145°C)
Ignition temperature	> 680°F (360°C)
Thermal decomposition	> 734°F (390°C)
Stability and reactivity	No possibility of degradation under normal circumstances. Degradation will only occur above the decomposition temperature.
Toxicology	Not harmful to health under normal conditions.

TuffTrak®XL is available for worldwide sale or hire through our official distributors and agents - please contact us for further details.

US Sales:
Tel: +1-877 775 4403

UK Head Office:
Tel: +44 (0) 8456 435 388

Unit 11, M11 Business Link,
Parsonage Lane, Stansted,
Essex CM24 8GF. UK

sales@zigmagroundsolutions.com
www.zigmagroundsolutions.com

*Load performance depends on ground conditions as well as the weight and type of vehicles and plant. Zigma® Ground Solutions Ltd, its agents or employees are not liable for any damage to existing ground or property through use of TuffTrak®XL. The sale or hire of all temporary access mats are subject to Zigma® Ground Solutions' standard Terms and Conditions. These are available from our website www.zigmagroundsolutions.com or by telephoning our sales office.