

TuffTrak Lite[®]

Lightweight Heavy Duty Road Mat



- » Renowned TuffTrak[®] performance
- » Lighter in weight than other heavy duty road mats with comparable performance
- » Incredibly tough & flexible
- » Low traction surface for efficient and safe use with heavy plant vehicles and site personnel
- » Connection options for all terrains

Depicts Low Profile
Traction Surface

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

TuffTrak Lite[®]

Lightweight Heavy Duty Road Mat



Depicts low profile traction surface



Advantages

Lightweight Heavy Duty Road Mat

Weighing just 185kg, TuffTrak Lite[®] complements the heavy duty TuffTrak[®] range by combining the market leading performance associated with TuffTrak[®] and providing operational and financial benefits in handling and installation due to a vastly reduced weight.

Incredibly Tough & Flexible

Made from tough 100% recycled High Density (HD) or Ultra High Molecular Weight (UHMW) Polyethylene, TuffTrak Lite[®] is manufactured as a solid compression moulded mat that is chemically inert, ideal for use on eco sensitive sites. Being a solid one piece construction means that TuffTrak Lite[®] cannot be punctured - avoiding the intake of liquids and reducing the threat of invasive species or cross contamination between sites. Designed to flex, TuffTrak Lite[®] adapts to varied ground conditions yet provides a weight loading to over 100* tonnes, dependent on conditions.

Low Profile Traction Surface

The unique design of TuffTrak Lite[®] provides a sought after solution to temporary roadways by combining lighter weight with the grip and ground protection offered from a heavy duty road mat. The rugged, yet pedestrian friendly traction surface on TuffTrak Lite[®] reduces slippage, helping deliver forward traction for efficient and safe use with heavy plant, vehicles and site personnel making it ideal for use as temporary roadways and work areas.

Logistics

As a heavy duty road mat TuffTrak Lite[®] is lighter to transport than most alternative temporary road mats with comparable performance. Therefore, considerably more mats can be loaded on to trucks or in to containers, substantially reducing transportation costs.

*Compression tested at National Physical Laboratory, UK

- » Designed to provide lighter weight heavy duty access than other mats with comparable performance
- » Tough and durable for work areas and temporary roads
- » Ideal for use with heavy plant, vehicles and site personnel
- » Pedestrian friendly traction[®] surface for drilling rigs, work pads, depot areas and helipads
- » Solid one piece construction avoids intake of liquids and contaminants
- » Supports health & safety objectives
- » Substantially lower transport costs than other mats
- » Protects against severe rutting and eco damage to sensitive sites
- » Connection options for different terrain & equipment
- » Non-conductive - ideal for use on transmission projects
- » Designed and manufactured in the UK and Europe

A new addition to the internationally proven TuffTrak® range from Zigma® Ground Solutions, TuffTrak Lite delivers a lighter weight option for heavy duty temporary roads for all weather and ground conditions within;

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



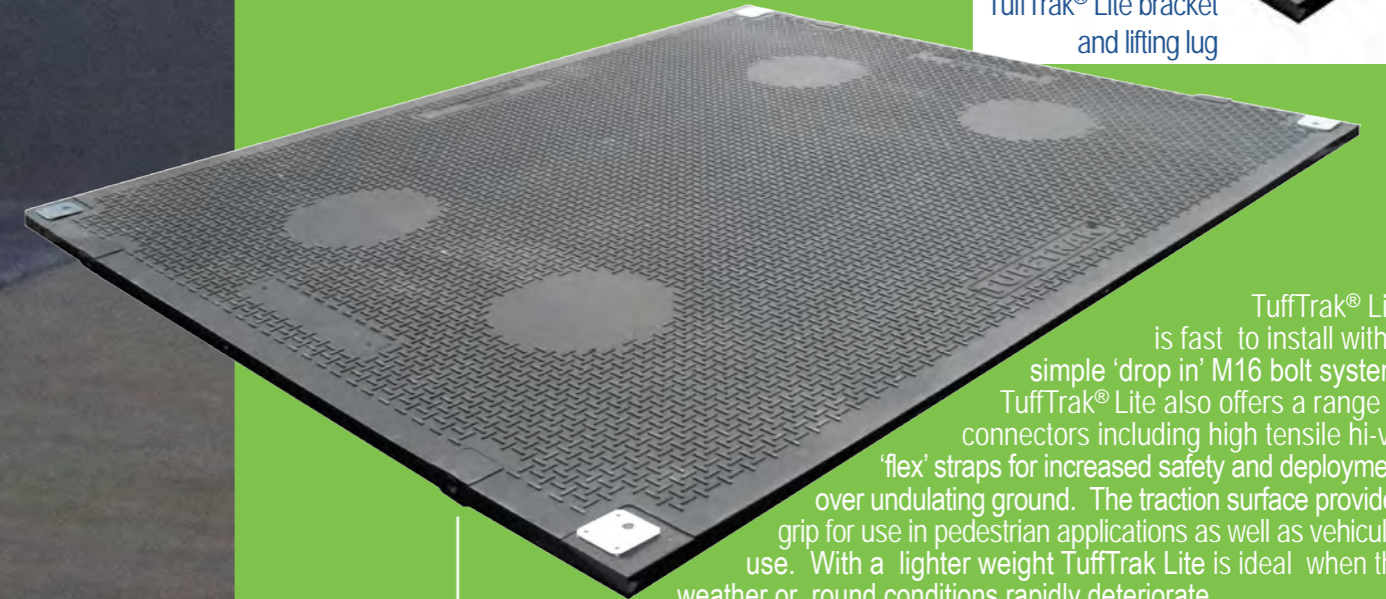
Product Specifications

TuffTrak® Lite - Lightweight Heavy Duty Road Mat

Material: High Density Polyethylene or Ultra High Molecular Weight Polyethylene
 Size: 3000mm x 2500mm x 32mm
 Weight: 185kg



TuffTrak® Lite bracket and lifting lug



Mat lifting points

TuffTrak® Lite is fast to install with a simple 'drop in' M16 bolt system. TuffTrak® Lite also offers a range of connectors including high tensile hi-viz 'flex' straps for increased safety and deployment over undulating ground. The traction surface provides grip for use in pedestrian applications as well as vehicular use. With a lighter weight TuffTrak Lite is ideal when the weather or ground conditions rapidly deteriorate.

Connection Systems

Hi tensile h-viz 'flex' connectors for increased safety and performance over undulating ground.

Material : Steel and nylon
 Size: 240mm x 70mm
 Weight: 0.15 kg



Metal connectors for heavy equipment.

Material : Steel
 Size: 260mm x 40mm x 5mm
 Weight: 0.35 kg



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 Lite® Lightweight Heavy Duty Road Mat

Material:	High Density Polyethylene or Ultra High Molecular Weight Polyethylene
Size:	3000mm x 2500mm x 32mm
Weight:	185kg

Weight loading	100 tonnes*
Material	Premium recycled or virgin High Density (HD) or Ultra High Molecular Weight (UHMW) Polyethylene Choice of colours for Virgin or UHMWPE Additive packages for UV protection and static dissipation are available
Material strength	Compression loads in excess of 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 -50 °C to +80 °C. For severe cold climates TuffTrak Lite® made from UHMWPE material is advised
Colours available	Black for recycled HD or UHMW polyethylene. Choice of colours for Virgin HD or UHMW polyethylene.
Connectivity	Easy to install 'Drop in' M16 bolt system Metal connectors for heavy equipment High tensile, hi-viz 'flex' connectors for increased safety and performance over undulating ground
Traction Surface	TuffTrak Lite® incorporates a pedestrian friendly low profile traction surface combined with a micro traction on both upper and lower surfaces reducing the risk of slippage and delivering forward traction for use with heavy plant, vehicles and site personnel.
Environmental features	Weatherproof, water and chemical resistant. HD and UHMW polyethylene are resistant to acids, alkalis and solvents.
Logistics	128 TuffTrak Lite® mats per standard EU curtain sided trailer, 13.6 loading meters. up to 24 tonnes. (consists of 12 pallets of 6 mats and 8 pallets of 7 mats)
Customisation	Corporate logo and contact details can be added, subject to minimum order.

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Health and Safety Information

General

Critical hazards to man and environment	None
Environment	The disposal of the material presents no danger regarding toxicological 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 135 - 145°C
Ignition temperature	> 360°C
Thermal decomposition	> 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 Lite® is available for worldwide sale or hire through our official distributors and agents - please contact us for further details.

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*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 Lite®. 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.