MALTAWARD

PRODUCT DATA SHEET

GroundTuff® PRO

GroundTuff PRO is the heavy-duty mat in the GroundTuff range, built for temporary ground protection in the most demanding environments. Made from 100% recyclable High-Density Polyethylene (HDPE), each mat measures 1200mm x 2400mm x 12.7mm and supports loads of up to 60 tonnes*.

It is dual-sided: a 4-bar chequer plate face for pedestrians and a 1-bar chequer plate face for vehicles. Integrated hand holes make it quick for two people to lift and position, and corner and side holes accept our 2-way and 4-way connectors to build roadways and working areas of any size. Waterproof, resistant to oils and chemicals and maintenance-free, it gives a safe, stable surface for heavy machinery, large vehicles and high-impact areas.

*Load bearing capacity is dependent on ground conditions and load characteristics.

FEATURES

- **Typical applications:** groundwork cover, construction sites, industrial flooring, utilities and infrastructure maintenance, temporary roadways and parking, pedestrian walkways, festival and outdoor event flooring, lawn and landscape protection, kerb, tarmac and block paving protection, heritage and eco-sensitive sites, sports field and golf course maintenance, emergency response, and military and defence operations.
- **Material:** 100% recyclable High-Density Polyethylene (HDPE).
- **Cleaning:** Using a stiff brush will usually remove most dirt and debris. For more stubborn dirt, a pressure washer can be used.
- **Sustainability:** REACH compliant.

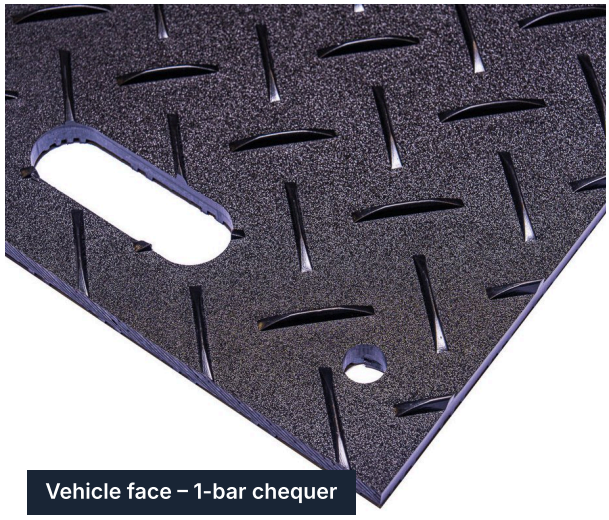


For more information about this product, or to hire, **contact Maltaward**.

Please note: the ground beneath the matting must be structurally sound and free from significant depressions, such as potholes, as these can cause the matting to crack or become damaged.



Pedestrian face – 4-bar chequer



Vehicle face – 1-bar chequer

24/7 Nationwide Delivery

Over 30 years' experience. FORS Gold & ISO 9001 certified, and approved by local authorities and major UK airports.

Get in touch
0800 043 2742
sales@maltaward.co.uk
www.maltaward.co.uk

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GroundTuff® PRO

PRODUCT CODES

Code	Description	Metric	Imperial	Thickness	Weight	Colour
GP4896BL	GroundTuff PRO mat	1200mm x 2400mm	8' x 4'	12.7mm	37.5kg	Black
GPCB-2	2-way Standard Connector	180mm x 60mm	7" x 2"	3.5mm	0.1kg	Black
GPCB-4	4-way Standard Connector	195mm x 195mm	8" x 8"	3.5mm	0.2kg	Black
GPCG-2	2-way Galvanised Connector	191mm x 15mm	8" x 1"	4.5mm	0.1kg	Galvanised
GPCG-4	4-way Galvanised Connector	191mm x 140mm	8" x 6"	4.5mm	0.2kg	Galvanised
GPCL-2	2-way Low Profile Connector	132mm x 195mm	5" x 4"	3mm	0.1kg	Galvanised
GPCT	Heavy Duty Cable Ties (pack of 100)	450mm x 9mm	18" x 0.4"	–	0.8kg	Black

Please note, all imperial sizes have been rounded up or down to the nearest whole number. Half-size mats are available with an additional cutting charge – please discuss with our team.

Technical Specification	
Slip resistant	Excellent slip resistance to level 3
Wear resistant	Excellent wear resistance to level 3, suitable for heavy footfall
Chemical resistant	Yes, resistant to most chemicals, grease and oils
Connectable	Mats are connectable to create any shape or size
Disability friendly	The pedestrian face (4-bar chequer plate) is suitable for wheelchair users
Dry area	Yes
Wet area	Yes
Heavy area	Yes
Wheeled area	Yes
Environment	Suitable for indoor and outdoor use
Impact resistant	Yes

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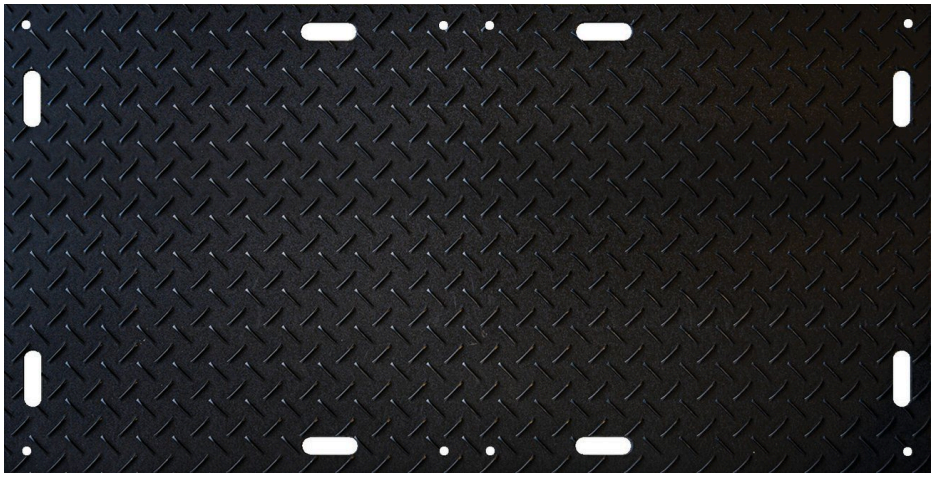
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GroundTuff® PRO

Technical Specification

Product testing	■ Physical properties ■■ Density: 0.96 g/cm³ (ASTM D792) ■■ Water absorption: <0.10% (ASTM D570) ■ Mechanical properties ■■ Hardness: 65 Shore D (ASTM D2240) ■■ Tensile strength at yield 23°C: 4,000 psi (ASTM D638) ■■ Tensile modulus: 217,000 psi (ASTM D638) ■■ Elongation at break: >700% (ASTM D638) ■■ Flexural strength: 210,000 psi (ASTM D790) ■■ Compressive strength: 1,500 psi (ASTM D695) ■■ Coefficient of friction, dynamic: 0.20–0.29 ■■ Izod impact, notched: 3.5 ft-lb/in (ASTM D256) ■ Electrical properties ■■ Surface resistivity: >10^{14} Ω/cm (ASTM D257) ■■ Dielectric constant: 2.4 at 1MHz (ASTM D150)
Sustainability	Manufactured from 100% recyclable HDPE, which is widely accepted at recycling centres.
Temperature resistance	■ Service temperature: −73°C to 82°C ■ Melting point: 131°C (ASTM D3418) ■ Vicat softening point: 125°C (ASTM D1525) ■ Heat deflection temperature: 77°C (ASTM D648) ■ Brittleness temperature: −75°C (ASTM D746) ■ Fire: UL94 HB
Cleaning	Using a stiff brush will usually remove most dirt and debris. For more stubborn dirt, a pressure washer can be used.

MAT DESIGN



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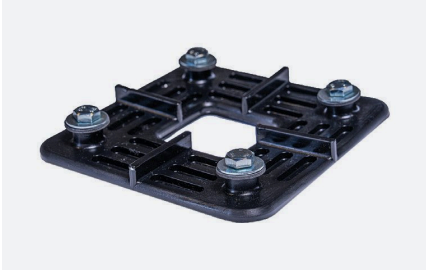
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COMPATIBLE CONNECTORS

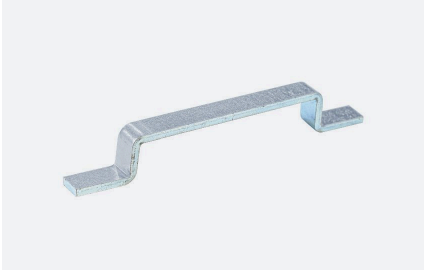
Connectors lock adjacent mats together through the pre-drilled corner and side holes, stopping mats shifting under load and letting you build walkways, roadways and larger working areas to any size. Standard connectors are bolted from the top; galvanised connectors push through the mat holes for a quick, tool-free fix. Each mat needs six connectors to secure all sides.



2-way Standard Connector
GPCB-2 · Bolt-fixed plate



4-way Standard Connector
GPCB-4 · Bolt-fixed plate



2-way Galvanised Connector
GPCG-2 · Tool-free, push-through prongs



4-way Galvanised Connector
GPCG-4 · Tool-free, push-through prongs



2-way Low Profile Connector
GPCL-2 · Low-profile steel



Heavy Duty Cable Ties
GPCT · Pack of 100