MALTAWARD

PRODUCT DATA SHEET

GroundTuff® Urban

GroundTuff Urban is a lightweight yet durable temporary ground protection mat with a load capacity of up to 35 tonnes*. Made from 100% recyclable High-Density Polyethylene (HDPE), each mat measures 1100mm x 2400mm and is just 8mm thick, with a 4-bar chequer plate face on one side and a smooth face on the other.

The chequer plate face reduces the risk of slips, trips and falls and gives a good surface for wheelchairs, trolleys and pushchairs. Integrated handles make lifting and positioning quick, and corner and side holes accept our 2-way and 4-way connectors so you can build walkways, roadways and larger areas to any size.

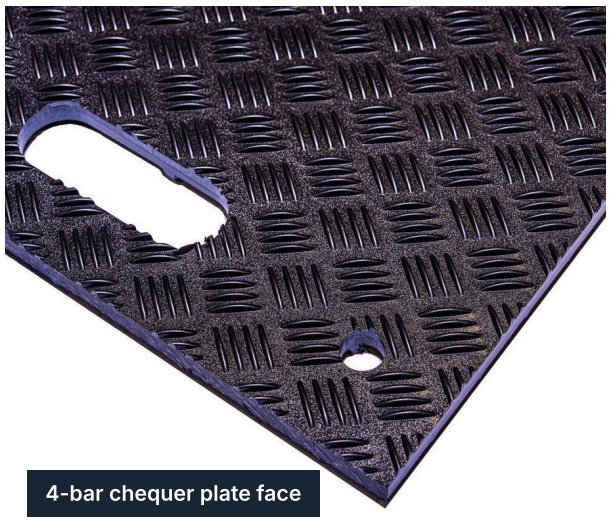
*Load bearing capacity is dependent on ground conditions and load characteristics.

FEATURES

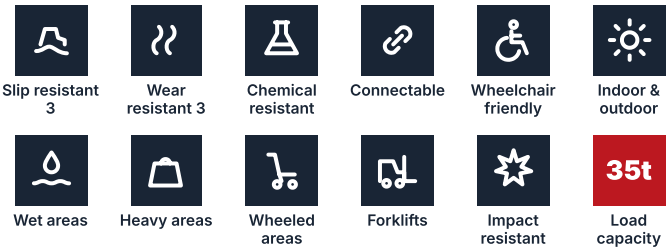
- **Typical applications:** pedestrian walkways, groundwork cover, construction sites, industrial flooring, utilities and infrastructure maintenance, temporary roadways and parking, festival and outdoor event flooring, lawn and landscape protection, kerb, tarmac and block paving protection, heritage 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.



Smooth face



4-bar chequer plate face



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.

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PRODUCT CODES

Code	Description	Metric	Imperial	Thickness	Weight	Colour
GP4396BL-8	GroundTuff Urban mat	1100mm x 2400mm	8' x 4'	8mm	24kg	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
Connectable	Connectors are available to create larger widths
Disability friendly	Yes, the low profile makes it suitable for wheelchair users
Dry area	Yes
Wet area	Yes
Heavy area	Yes
Wheeled area	Yes
Environment	Suitable for indoor and outdoor use
Forklifts	Yes
Impact resistant	Yes

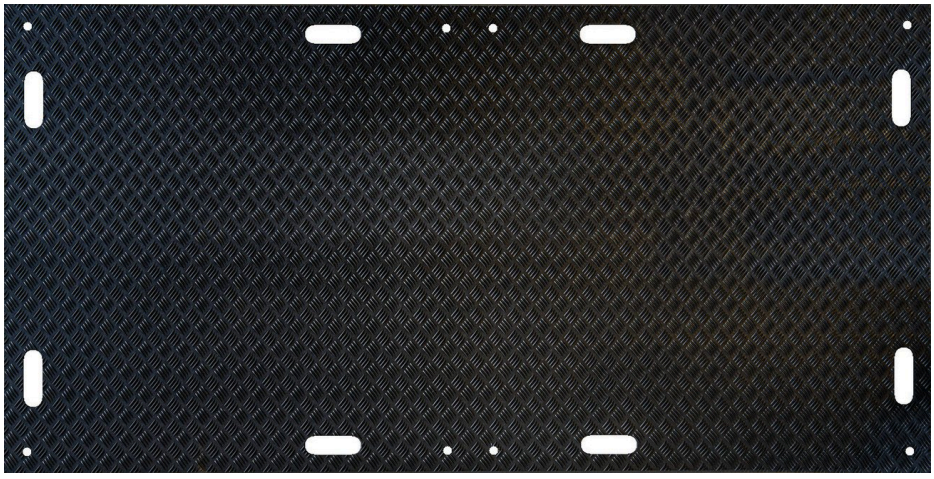
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GroundTuff® Urban

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	REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals)
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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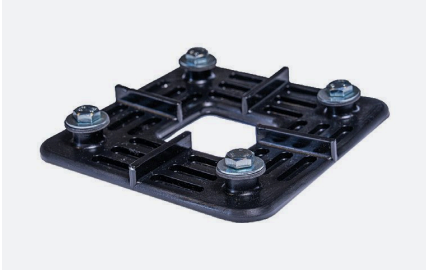
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COMPATIBLE CONNECTORS

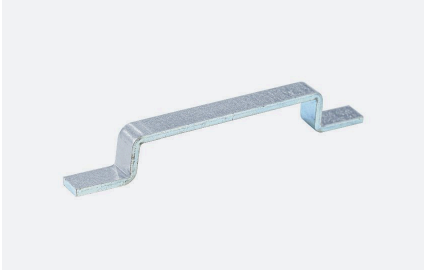
Connectors lock adjacent mats together through the pre-drilled corner and side holes, stopping mats shifting under load and letting you build walkways, roadways and larger working areas to any size. Standard connectors are bolted from the top; galvanised connectors push through the mat holes for a quick,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