



ASIA
EQUIPAGGIAMENTI

G.P.M. Ground Protection Mat

NSN 7220-15-021-2556
P/N AS-GPM5884CR

PROTECT – BESAFE

LIGHTWEIGHT TEMPORARY ACCESS AND GROUND PROTECTION MAT

MAN- HANDABLE MAT
PROVIDES SAFE,
TEMPORARY ACCESS, WORK
AREAS AND PROTECTION
OVER
SOFT GROUND CONDITIONS
AND HARD SURFACES.
TWO PERSON LIFT FOR
EASY HANDLING AND
INSTALLATION



Key benefits Key Information and Features



ASIA
EQUIPAGGIAMENTI

- ❖ Support vehicle weights up to 80 tons*
- ❖ Man-handlable mat - two person lift and easy handling using the hand cut-outs
- ❖ Fast and easy to install using a choice of connection options
- ❖ Compression moulded high performance thermoplastic material resistant to chemicals and oil and is UV protected Flexible but tough and durable mat for long life use
- ❖ 100% recyclable at end of life
- ❖ One mat but two different traction surfaces – for vehicle and pedestrian use IsoTraction® surface designed and tested to provide the best vehicle tyre traction surface on the market
- ❖ Unique elongated connector hole design to compensate linear expansion/shrinkage of mats during extreme temperature changes.



Military and Government Applications - Main sectors

Our GPM can be used in a wide range of military sectors for different purposes.

Military/temporary camps:

- Installation of temporary bases for the encampment of troops
- Creation of temporary parking lots for military vehicles
- Creation of areas for the procurement and distribution of supplies
- Strong basement for Military Defensive Barriers Joesco (www.joesco.eu)
- Landing Zone



Training camps:

- Creation of temporary routes for troop training
- Construction of temporary facilities for open field training

Recovery Operations:

- Recovery of broken-down vehicles
- Recovery of off-runway aircraft

Logistics support zones:

- Temporary flooring for warehouses and storage areas
- Creation of temporary communication routes for the transport of supplies

Disaster areas:

- Land protection in areas affected by natural disasters or calamities
- Creation of temporary escape routes or bridges for the rescue and transport of victims

Military Training operations:

- Use as temporary flooring for simulated combat situations
- Ground protection during exercises with heavy military vehicles

Storage and maintenance areas:

- Use as temporary flooring for military vehicle storage and maintenance areas
- Ground protection during maintenance and repair operations

Traffic control zones:

- Creation of temporary road control stations
- Temporary flooring for parking and vehicle control areas





Safety and performance

- ❖ Cost effective and safe option compared to plywood – will not warp or rot
- ❖ Only mat with unique elongated connection holes - prevent trip hazard when connected mats expand in high temperatures.
- ❖ IsoTraction® surface design is based on tyre manufacturer traction research and has been independently tested to demonstrate superior grip for vehicles compared to other mats.
- ❖ Prevent vehicles and workers getting bogged down – avoid costs associated with down time
- ❖ Avoid ground reinstatement costs

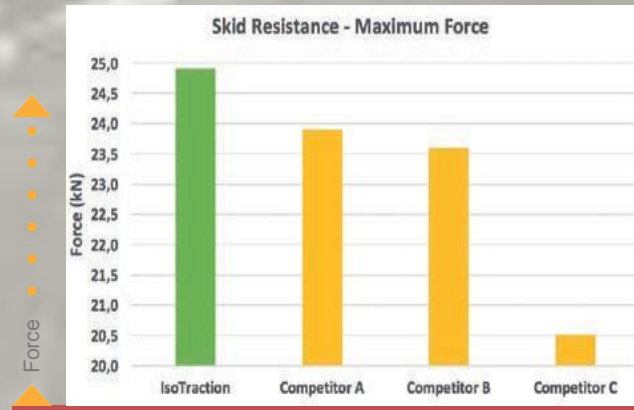
General informations

Overall Area	2410 x1200 mm
Height	Total 20 mm, Core 12 mm
Useable Surface Area	2,89 m ²
Weight	35.8 kg
Color	Black (standard)
Logistic	Standard high cube 40' container 500 mats, Truck standard EU 650 mats
Handling	Handhold cut-outs for easy handling – two people lift. No specialist tools or equipment required.
Recycling	100% recyclable
Safety	Nub structure prevents slips, trips, falls Easy to clean / decontaminate
Load bearing capacity	Up to 80 tons*
Fire Rating	UL 94HB

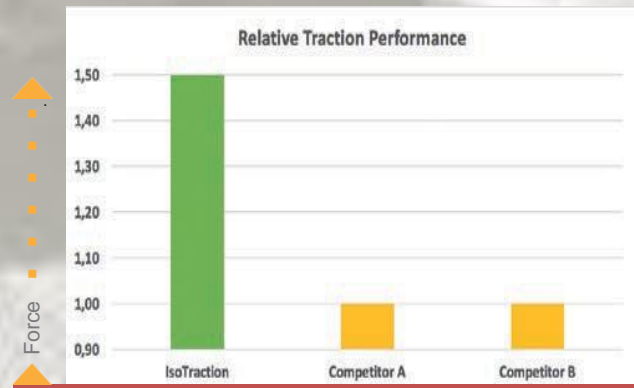
*depends on the number of sections and soil conditions

TRACTION TESTING G.P.M.

Dry Conditions



Mud Conditions





CERTIFICATIONS

Tested according to the most Important International Standards

❖ Compression strength	UNI EN ISO 604:2008	kN/m ²	>57.000
❖ Flexural strength	UNI EN ISO 178:2013	kN/m ²	>25.000
❖ Panel center failure load test	ASTM D1196 - 12	Kg Q _r	>18.000*
❖ Panel edge breaking load test	ASTM D1196 - 12	Kg Q _r	>18.000*
❖ Panel center failure load test	ASTM D1195 - 93	Kg Q _r	>21.000*
❖ Panel edge breaking load test	ASTM D1195 - 93	Kg Q _r	>20.000*
❖ Tensile strength	ASTM D638 - 14	MPa	21.8
❖ Elongation at yield	ASTM D638 - 14	%	12.0
❖ Elongation at break	ASTM D638 - 14	%	657.0

*CBR 8-10%



4 Handles

(2 on each short side) to be transported by 2 or more operators.

4 Gripping systems

(2 on each long side) which further facilitate gripping, lifting and moving the panel during the assembly phases.



CONNECTION SYSTEM

Our **G.P.M.** has 12 holes with an elongated shape and 8 round holes for anchoring to the ground and for connection with the other panels, this through the use of "U" and "Ciabatta" steel connectors", capable of compensating for the linear expansion and shrinkage of the panels during changing temperatures.

