

ISOTRACK H SERIES
PROTECT — BE SAFE

HEAVY DUTY TEMPORARY ACCESS AND GROUND PROTECTION MAT

ISOTRACK H SERIES HEAVY DUTY ROAD MATS PROVIDE SAFE, TEMPORARY ACCESS, WORK AREAS AND PROTECTION OVER SOFT GROUND CONDITIONS AND HARD SURFACES. WIDE RANGE OF PROJECT APPLICATIONS. EASY TO INSTALL



ISOKON
INNOVATIVE PLASTICS SOLUTIONS

MEMBER OF *Constantia* INDUSTRIES

ABOUT US



We are a mid-sized Slovenian and European company with more than 40 years experience in the field of technical plastics.

We have factory plant and equipment that has been dedicated to making extreme duty temporary road access mats for more than 8-years.

Our own R & D team in partnership with Universities in Ljubljana and Maribor provides design innovation and robust testing to ensure mat performance.

KEY BENEFITS

- Support vehicle and equipment weights up to 150 tonnes*
- Easy and quick to unload using lifting equipment or forklifts
- Fast and easy to install using a choice of connection options
- Install roadways, working pads, parking and turning areas
- IsoTraction® surface design for superior traction
- Safe movement and access for vehicles, equipment and people
- Mats gently flex with ground contours – no ground preparation required
- Prevent severe rutting and damage – avoid ground reinstatement costs
- Prevent vehicles and equipment from getting bogged down - keep your project running and avoid delays
- One piece compression moulded high performance recycled thermoplastic material resistant to chemicals and oil and is UV protected
- Flexible but tough and durable mat for long life use
- Low theft risk compared to aluminium and steel mats
- 100% recyclable at end of life

KEY INFORMATION AND FEATURES

- Manufactured to the highest quality standards
- One mat but two different traction surfaces – rugged IsoTraction® surface for vehicles with rubber tyres and low profile traction surface for steel tracks and pedestrian use
- Steel reinforced lifting points
- Customer logo option



APPLICATIONS-MAIN SECTORS

- Construction and civil engineering
- Utilities
- Oil and gas
- Mining
- Transmission
- Drilling contractors
- Events
- Any projects requiring safe temporary access for heavy vehicles and equipment



SAFETY AND PERFORMANCE

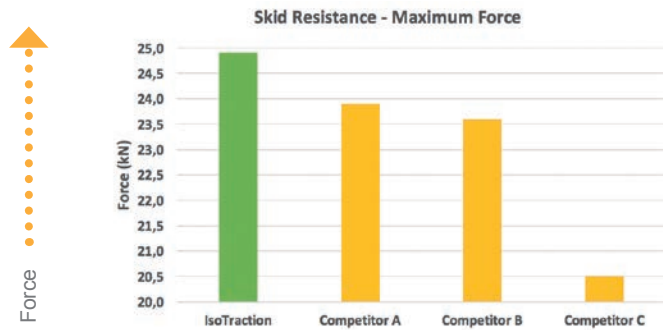
- IsoTraction® surface design is based on major tyre manufacturer traction research and has been independently tested to demonstrate superior grip for vehicles compared to other mats.
- Prevent vehicles and workers getting bogged down – avoid costs associated with project delays.
- Avoid ground reinstatement costs.
- Cannot puncture and take on water or contaminants.
- Easy to clean after use.

General information	
Overall Area	3000 x 2500 mm
Height	Total 46 mm, Core 38 mm
Useable Surface Area	7,5 m ²
Weight	295 kg
Material	Recycled HDPE
Colour	Black (standard), other colours optional
Logistic	Open top standard high cube 40' container 50 mats, Truck standard EU 80 mats
Handling	Can use lifting hooks, slings, eye bolts or forklifts.
Connection	Using standard M16 bolts with steel or flexible straps. Steel reinforced connection points.
Recycling	100% recyclable
Safety	Raised nub surfaces provide enhanced traction for vehicle safety
Environmental	No liquid absorption and chemically inert. Easy to clean/decontaminate
Load bearing capacity	150 tonnes*
Fire Rating	UL 94HB

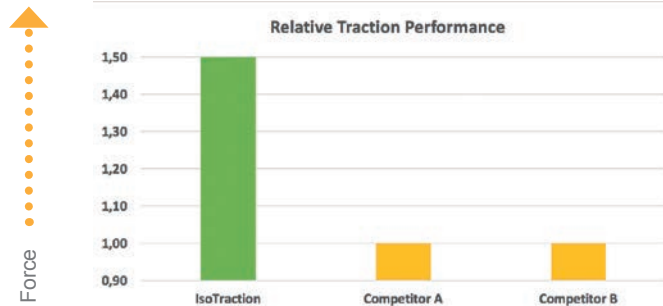
* Load capacity is dependent to ground conditions.

TRACTION TESTING OF ISOTRACK H MATS

Dry Conditions



Mud Conditions



- Testing was undertaken by Ljubljana University to compare the effectiveness of the IsoTraction® nub surface design with the nub surface designs of major mat competitors (solid and cellular core mats)
- A fixed load was applied to a truck tyre (pressure 6,3 bars) with a contact area of 540cm².
- The force required to move each mat surface sample under the tyre was recorded.
- Testing was carried using dry surfaces and with mud applied to the mat surface samples.
- The IsoTraction® nub design recorded up to 20% better results compared to the competitor nub surface designs in dry conditions and 50% better in wet mud conditions.



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The mat is made from material with high compressive strength but the maximum safe vehicle weight will depend on a number of factors including the load bearing capacity of the underlying ground conditions. Advice should be sought from competent project geotechnical engineers.