

**ISOTRACK L** SERIES  
PROTECT – BE SAFE



## LIGHTWEIGHT TEMPORARY ACCESS AND GROUND PROTECTION MAT

ISOTRACK L SERIES 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



# 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 weights up to 80 tonnes\*
- Man-handable 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

## KEY INFORMATION AND FEATURES

- 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.
- Customer logo option







## APPLICATIONS-MAIN SECTORS

- Utilities
- Construction and civil engineering
- Drilling contractors
- Transmission
- Events
- Emergency access
- Temporary road and work areas
- Hard and soft landscaping work.
- Sports facilities and recreational grounds.
- Pedestrian walkways
- Any project requiring safe temporary access for vehicles and equipment



# SAFETY AND PERFORMANCE

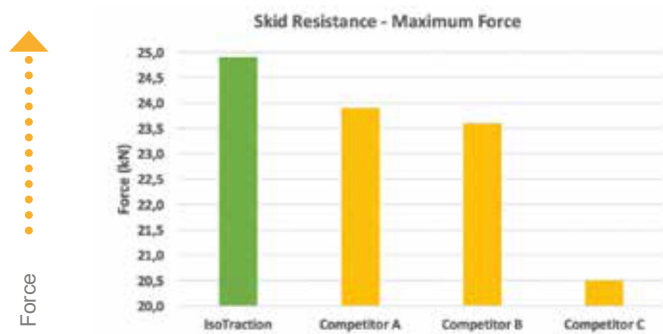
- Cost effective and safe option compared to plywood – will not warp or rot.
- Only mat with unique elongated connection holes - prevent trip hazard when connected mats expand in high temperatures.
- IsoTraction® surface design is based on tyre manufacturer traction research and has been independently 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 information	
Overall Area	2410 x1200 mm
Height	Total 20 mm, Core 12 mm
Useable Surface Area	2,89 m <sup>2</sup>
Weight	36 kg
Colour	Black (standard), other colours optional
Logistic	Standard high cube 40' container 500 mats, Truck standard EU 650 mats
Handling	Handhold cut-outs for easy handling – two person lift. No specialist tools or equipment required.
Recycling	100% recyclable
Safety	Nub structure prevents slips, trips, falls
Environmental	No liquid absorption and chemically inert. Easy to clean / decontaminate
Load bearing capacity	In excess of 80 tonnes*
Fire Rating	UL 94HB

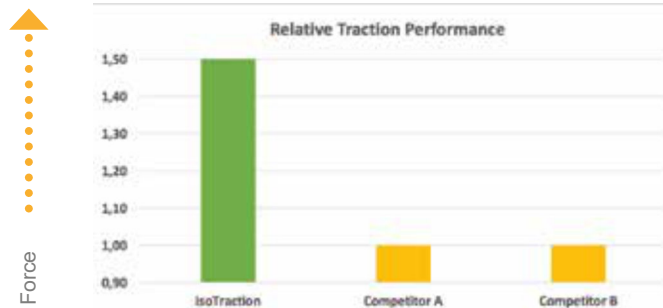
\* Load capacity is dependent on ground conditions

## TRACTION TESTING OF ISOTRACK L 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 540cm<sup>2</sup>.
- 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.

