

ISOTRACK
PROTECT – BE SAFE

TEMPORARY ACCESS AND GROUND PROTECTION MAT



MEMBER OF *Constantia* INDUSTRIES

 **ISOKON**
INNOVATIVE PLASTICS SOLUTIONS

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ABOUT ISOKON



WE HAVE FACTORY PLANT AND EQUIPMENT THAT HAS BEEN DEDICATED TO MAKING PREMIUM QUALITY TEMPORARY ROAD ACCESS MATS SINCE 2009.

OUR OWN TECHNICAL R & D TEAM WORKS IN PARTNERSHIP WITH INDEPENDENT INSTITUTIONS TO PROVIDE DESIGN INNOVATION AND ROBUST TESTING TO ENSURE MAT PERFORMANCE AND DURABILITY.



ISOTRACK X SERIES

PROTECT – BE SAFE



HEAVY DUTY TEMPORARY ACCESS AND GROUND PROTECTION MAT

FOR SAFE, TEMPORARY
ACCESS ACROSS SOFT
GROUND AND IN EXTREME
WET WEATHER CONDITIONS,
ISOTRACK X SERIES IS THE
ULTIMATE EXTREME HEAVY
DUTY ROAD MAT





KEY BENEFITS

- Outstanding compressive strength - more than 415 tonnes/m² reaching max force 730 tonnes/m²
- Each mat has two different traction surfaces - for tyres and steel tracks
- Market leading surface Isotractor™ design for safe vehicle operation
- Foam filled core prevents water ingress if mat is punctured (no cross contamination and no additional weight)

KEY INFORMATION AND FEATURES

- Compression moulded high performance thermoplastic material
- Robust, durable, high-performance mat
- Overlap design for interlocking mats to make roadways, work pads, parking and turning areas
- Fast Four3 connector pin system
- Cellular core construction provides buoyancy in water-logged areas
- Stability and support for vehicles and equipment across a wide range of ground conditions
- Reduce dust pollution on dry soils
- Protect sensitive habitats
- Customer logo option
- Long life and recyclable at end of life
- Accessories include turning pieces and on/off ramp

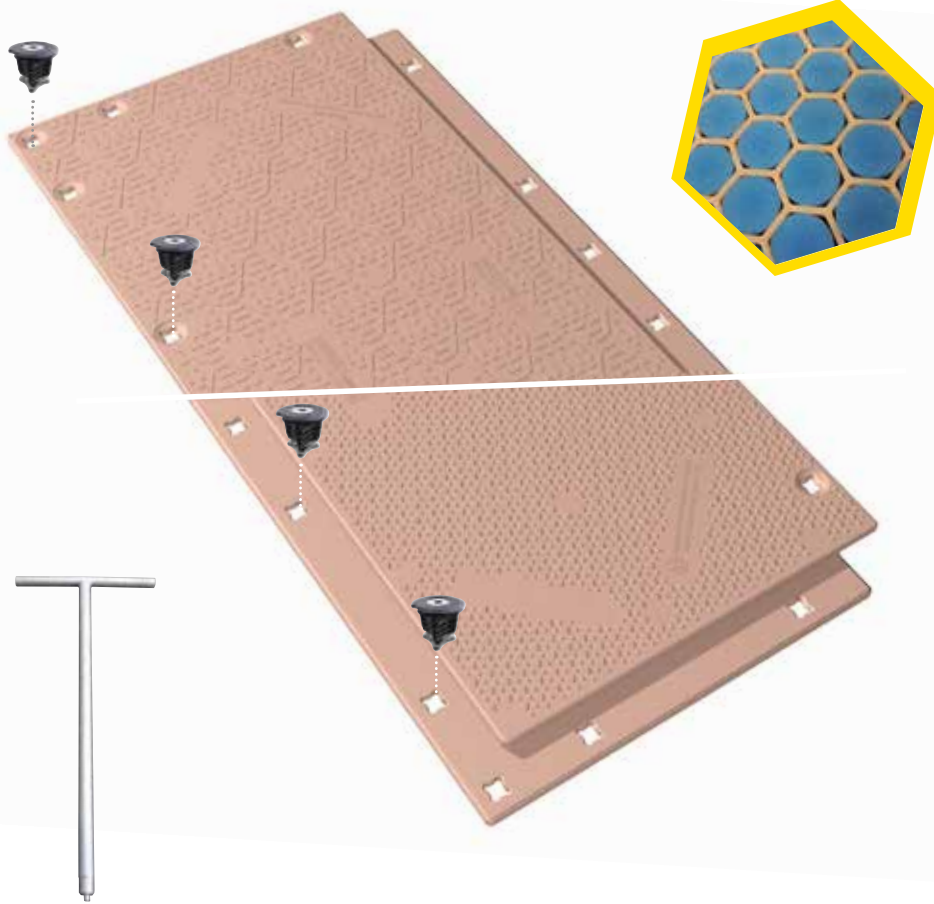
APPLICATIONS-MAIN SECTORS

- Construction and civil engineering
- Utilities
- Oil and gas
- Petrochemical
- Transmission
- Windfarms / renewable energy projects
- Drilling contractors
- Pipelines
- Quarries and mining
- Commercial timber and woodland operations
- Events
- Any project requiring safe temporary access and work areas for heavy vehicles and equipment



SAFETY AND PERFORMANCE

Engineered for performance and strength, the interlocking overlap mats distribute weight across a large surface area while remaining stable and strong through all operating conditions. The Isotraction™ surface tread improves traction and safety for load-bearing vehicles, while the patented Four3 connection system reduces mat drift and slippage. The mats provide years of reusable performance with proper use and maintenance.



Foam filled core prevents water ingress if mat is punctured (no cross contamination and no additional weight)



General information

Overall Dimensions	4000 x 2000 mm 13.1 ft x 6.5 ft	Safety	Surface structure designs provide excellent traction for vehicles
Thickness	Total 102 mm 4 inch , Core 94 mm 3.7 inch	Environmental	No liquid absorption, chemically inert, allows easy decontamination-cleaning
Overlap	200 mm 7.8 inch	Compressive load capacity:	Can withstand 415 t/m ² (605 psi) without deformation or breakage
Useable Surface Area	1,8 x 3,8 m = 6.84m ² 5.9 ft x 12.50 ft = 73.75 sq ft	Load bearing capacity	In excess of 200t*
Weight	360kg 793 lbs	Operating Temperature Range	- 40°C to + 80°C - 40°F to + 176°F
Colour	Sand (standard), other colours subject to minimum order quantity	Fire Rating	UL 94HB
Transport	Standard high cube 40 feet container 52 mats, Mega Truck standard EU 60 mats	AST additive	Tested according to DIN standard IEC EN 62631-3-2:2016
Handling and Installation	Easily handled and installed using different types of equipment	RFID or GPS Tags	Option to install your tag of choice within weather proof pocket.
Recycling	100% recyclable		

* Load bearing capacity is dependent on ground conditions.

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.





KEY BENEFITS

- Fast and easy to install using standard M16 bolts
- Install roadways, working pads, parking and turning areas
- Safe movement and access for vehicles, equipment and people
- Mats gently flex with ground contours – no ground preparation required
- Prevent severe rutting and damage – protect sensitive habitats and avoid ground reinstatement costs
- Prevent vehicles and equipment from getting bogged down - keep your project running and avoid delays
- Flexible but tough and durable mat for long life use
- Customer logo option
- Low theft risk compared to aluminium and steel mats
- Long life and 100% recyclable at end of life

KEY INFORMATION AND FEATURES

- One piece compression-moulded, high-performance recycled thermoplastic material resistant to chemicals and oil and is UV protected
- Each mat has two different, excellent traction surfaces for safe movement of vehicles in dry or wet conditions.
- One surface has the market leading Isotraction™ design for safe vehicle operation and the second surface is designed for steel tracked equipment operation.
- Steel-reinforced lifting points

APPLICATIONS-MAIN SECTORS

- Construction and civil engineering
- Utilities
- Oil and gas
- Petrochemical
- Transmission
- Windfarms / renewable energy projects
- Drilling contractors
- Pipelines
- Quarries and mining
- Commercial timber and woodland operations
- Events
- Any project requiring safe temporary access and work areas for heavy vehicles and equipment



SAFETY AND PERFORMANCE

- Isotraction™ surface designed 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 project delays.
- Avoid ground reinstatement costs.
- Cannot puncture and take on water or contaminants.
- Easy to clean after use.



General information			
Overall Dimensions	3000 x 2500 mm 9.8 ft x 8.2 ft	Handling and Installation	Mat incorporates lifting points. Can use lifting hooks, slings, eye bolts, forklifts or vacuum lifting equipment
Thickness	Total 46 mm 1.8 inch; Core 38 mm 1.5 inch	Connection	Using standard M16 bolts with steel or flexible straps. Steel reinforced connection points.
Useable Surface Area	7,5 m ² 80 sq ft	Recycling	100% recyclable
Weight	295 kg 650 lbs	Safety	Surface structure designs provide excellent traction for vehicles
Material	Recycled HDPE	Environmental	No liquid absorption and chemically inert. Easy to clean/decontaminate
Colour	Black (standard), other colours optional subject to minimum order quantity	Load bearing capacity	Ideal for supporting vehicles and equipment up to more than 100 tonnes*
Transport	Open top standard high cube 40' container 66 mats, Mega Truck standard EU 75 mats	Fire Rating	UL 94HB

* Load bearing capacity is dependent on ground conditions.

ISOTRACK tMAT

PROTECT – BE SAFE



HEAVY DUTY TEMPORARY ACCESS AND GROUND PROTECTION MAT

EASY TO INSTALL HEAVY DUTY
ROAD MAT. WIDE RANGE OF
PROJECT APPLICATIONS.

PROVIDES SAFE, TEMPORARY
ACCESS, WORK AREAS AND
PROTECTION OVER SOFT
GROUND CONDITIONS AND
HARD SURFACES.



APPLICATIONS-MAIN SECTORS

- Construction and civil engineering
- Utilities
- Oil and gas
- Petrochemical
- Transmission
- Windfarms / renewable energy projects
- Drilling contractors
- Pipelines
- Quarries and mining
- Commercial timber and woodland operations
- Events
- Any project requiring safe temporary access and work areas for heavy vehicles and equipment



KEY BENEFITS

- Fast and easy to install using standard M16 bolts
- Install roadways, working pads, parking and turning areas
- Safe movement and access for vehicles, equipment and people
- Mats gently flex with ground contours – no ground preparation required
- Prevent severe rutting and damage – protect sensitive habitats and avoid ground reinstatement costs
- Prevent vehicles and equipment from getting bogged down - keep your project running and avoid delays
- Flexible but tough and durable mat for long life use
- Customer logo option
- Low theft risk compared to aluminium and steel mats
- Long life and 100% recyclable at end of life

KEY INFORMATION AND FEATURES

- One piece compression-moulded, high-performance recycled thermoplastic material resistant to chemicals and oil and is UV protected
- Each mat has two different, excellent traction surfaces for safe movement of vehicles in dry or wet conditions.
- One surface has the market leading Isotraction™ design for safe vehicle operation and the second surface is designed for steel tracked equipment operation.
- Steel-reinforced lifting points

SAFETY AND PERFORMANCE

- Isotraction™ surface designed 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 project delays.
- Avoid ground reinstatement costs.
- Cannot puncture and take on water or contaminants.
- Easy to clean after use.



General information			
Overall Dimensions	3000 x 2000 mm 9.8 ft x 6.5 ft	Handling and Installation	Can use lifting hooks, slings, eye bolts or forklifts, vacuum lifting equipment.
Thickness	Total 47.5 mm 1.8 inch ; Core 38 mm 1.4 inch	Connection	Using standard M16 bolts with steel or flexible straps. Steel reinforced connection points.
Useable Surface Area	6 m ² 64.60 sq ft	Recycling	100% recyclable
Weight	235 kg 518 lbs	Safety	Surface structure designs provide excellent traction for vehicles
Material	Recycled HDPE	Environmental	No liquid absorption and chemically inert. Easy to clean/decontaminate
Colour	Black (standard), other colours optional subject to minimum order quantity	Load bearing capacity	Ideal for supporting vehicles and equipment up to more than 150 tonnes*
Transport	Standard high cube 40 feet container 80 mats, Truck standard EU 96 mats	Fire Rating	UL 94HB

* Load capacity is dependent on ground conditions.

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





KEY BENEFITS

- Man-handlable mat – two person lift and easy handling using the hand cut-outs or hand grips
- Fast and easy to install using a choice of connection options
- Solid, 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

- Each mat has two different, excellent traction surfaces for safe movement of vehicles and pedestrians.
- One surface has the market leading Isotraction™ design for safe vehicle operation in dry or wet conditions.
- Unique elongated connector hole design to enable adjustment if thermal expansion or contraction occurs.
- Customer logo option

APPLICATIONS-MAIN SECTORS

- Utilities
- Construction and civil engineering
- Drilling contractors
- Transmission
- Renewable energy
- 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, pedestrians and equipment



SAFETY AND PERFORMANCE



- Cost effective and safe option compared to plywood – will not warp or rot.
- Only mat with elongated connection holes – prevent trip hazard when connected mats expand in high temperatures.
- Isotraction™ surface designed 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 Dimensions	2410 x1200 mm 7.9 ft x 3.9 ft	Handling and Installation	Handhold cut-outs and hand grips for easy handling – two-person lift. No specialist tools or equipment required.
Thickness	Total 20 mm 0.80 inch , Core 12 mm 0.47 inch	Recycling	100% recyclable
Useable Surface Area	2,89 m ² 31.10 sq ft	Safety	Surface structure designs provide excellent traction for vehicles
Weight	36 kg 79 lbs	Environmental	No liquid absorption and chemically inert. Easy to clean / decontaminate
Colour	Black (standard) Other colours subject to minimum order quantity	Load bearing capacity	Ideal for supporting lighter vehicles and equipment up to 20 tonnes on softer ground and more than 50 tonnes on firm ground*
Transport	Standard high cube 40' container 560 mats, Truck standard EU 650 mats	Fire Rating	UL 94HB

* Load bearing capacity is dependent on ground conditions.



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ISOTRACK

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**TEMPORARY ACCESS
AND GROUND
PROTECTION MAT**

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