

**ISOTRACK**  
PROTECT – BE SAFE

# TEMPORARY ACCESS AND GROUND PROTECTION MAT



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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

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## 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/m<sup>2</sup> reaching max force 730 tonnes/m<sup>2</sup>
- 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   | Safety                      | Surface structure designs provide excellent traction for vehicles            |
| Thickness                 | Total 102 mm, Core 94 mm   | Environmental               | No liquid absorption, chemically inert, allows easy decontamination-cleaning |
| Overlap                   | 200 mm   | Compressive load capacity:  | Can withstand 415 t/m <sup>2</sup> (605 psi) without deformation or breakage |
| Useable Surface Area      | 1,8 x 3,8 m = 6.84 m <sup>2</sup>  | Load bearing capacity       | In excess of 200t*   |
| Weight                    | 360kg  | Operating Temperature Range | - 40°C to + 80°C   |
| 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

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

\* Load bearing capacity is dependent on ground conditions.

# ISOTRACK tMAT

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## 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

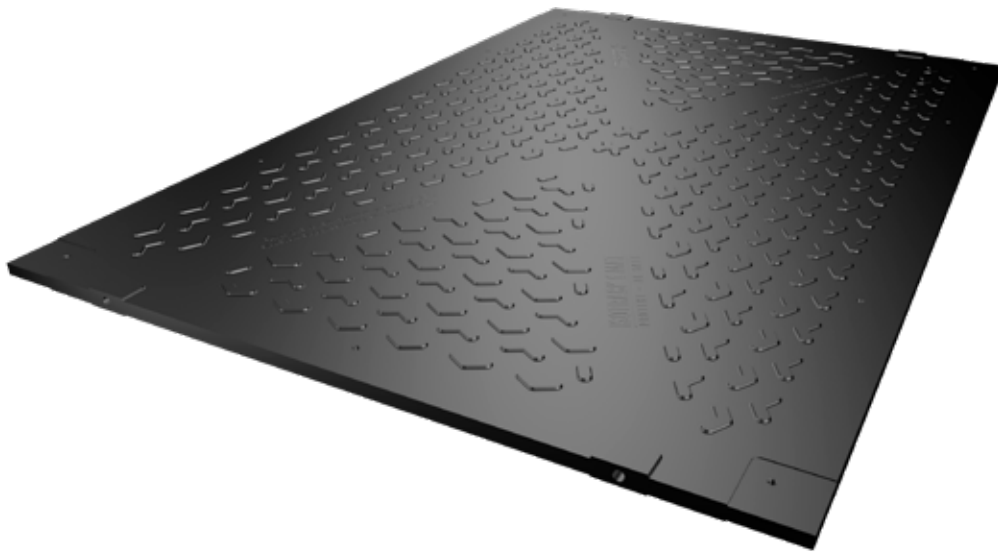
- Fast and easy to install using standard M16 bolts
- Install roadways, working pads, parking and turning areas
- Safe movement and access for vehicles, equipment and people
- Mats gently flex with ground contours – no ground preparation required
- Prevent severe rutting and damage – protect sensitive 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 Isotrraction™ 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   | Handling and Installation | Can use lifting hooks, slings, eye bolts or forklifts, vacuum lifting equipment.            |
| Thickness            | Total 47.5 mm, Core 38 mm  | Connection                | Using standard M16 bolts with steel or flexible straps. Steel reinforced connection points. |
| Useable Surface Area | 6 m <sup>2</sup>   | Recycling                 | 100% recyclable   |
| Weight               | 235 kg   | 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

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## 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-handable 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  | 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, Core 12 mm  | Recycling                 | 100% recyclable  |
| Useable Surface Area | 2,89 m <sup>2</sup>  | Safety                    | Surface structure designs provide excellent traction for vehicles  |
| Weight               | 36 kg  | Environmental             | No liquid absorption and chemically inert. Easy to clean / decontaminate   |
| Colour               | Black (standard)<br>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,<br>Truck standard EU 650 mats | Fire Rating               | UL 94HB  |

\* Load bearing capacity is dependent on ground conditions.





**ISOTRACK**  
INNOVATIVE INFRASTRUCTURE SOLUTIONS

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