

**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.

CERTIFIED

ISO 9001  
ISO 14001  
ISO 45001







## HEAVY DUTY TEMPORARY ACCESS AND GROUND PROTECTION MAT

For safe, temporary access across soft ground and in extreme conditions, Isotrack X series is the ultimate extreme heavy duty road mat.

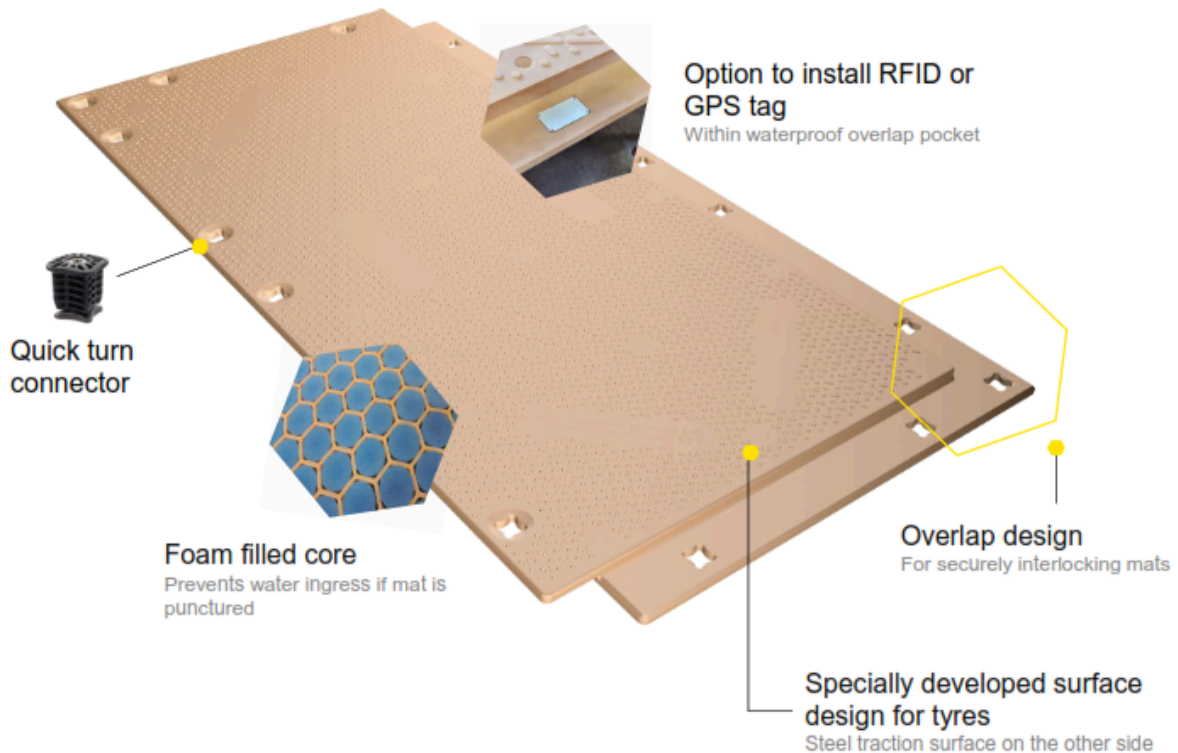




# ISOTRACK X

## PROTECT - BE SAFE

- 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 good mat rigidity and load distribution
- 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



| General Information              |                                                                                          |                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------|
| <b>Overall Dimensions</b>        | 4000 x 2000 mm                                                                           | <b>Connection</b>                | Four3 Connector                                                              |
| <b>Thickness</b>                 | Total 102 mm, Core 94 mm                                                                 | <b>Safety</b>                    | Surface structure designs provide excellent traction for vehicles            |
| <b>Overlap</b>                   | 200 mm                                                                                   | <b>Environmental</b>             | No liquid absorption, chemically inert, allows easy decontamination/cleaning |
| <b>Usable Surface Area</b>       | 1.8 m x 3.8 m = 6.84 m <sup>2</sup>                                                      | <b>Recycling</b>                 | 100% recyclable                                                              |
| <b>Weight</b>                    | 360 kg                                                                                   | <b>Fire Rating</b>               | UL 94HB                                                                      |
| <b>Material</b>                  | Virgin HDPE                                                                              | <b>AST additive</b>              | Tested according to DIN standard IEC En 62631-3-2:2016                       |
| <b>Colour</b>                    | Sand (standard), other colours subject to minimum order quantity                         | <b>RFID or GPS tags</b>          | Option to install your tag of choice within weather proof pocket             |
| <b>Transport</b>                 | Standard 40' High Cube container: 54 mats / 52 mats + connectors, Mega Truck EU: 60 mats | <b>Load bearing capacity</b>     | In excess of 200t*                                                           |
| <b>Handling and Installation</b> | Easily handled and installed using different types of equipment                          | <b>Compressive load capacity</b> | Can withstand 415 t/m <sup>2</sup> (605 psi) without deformation or breakage |

\*Load bearing capacity is dependent on the ground conditions

## 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 Isotraction design for safe vehicle operation
- Foam filled core prevents water ingress if mat is punctured (no cross contamination and no additional weight)





# 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.

## 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





## 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.





## TYPES OF H SERIES



**ISOTRACK H STANDARD**  
3000 x 2500 mm, 295 kg



**ISOTRACK H OVERLAP**  
3000 x 2500 mm, 265 kg



**ISOTRACK M**  
1906 x 1000 mm, 43 kg

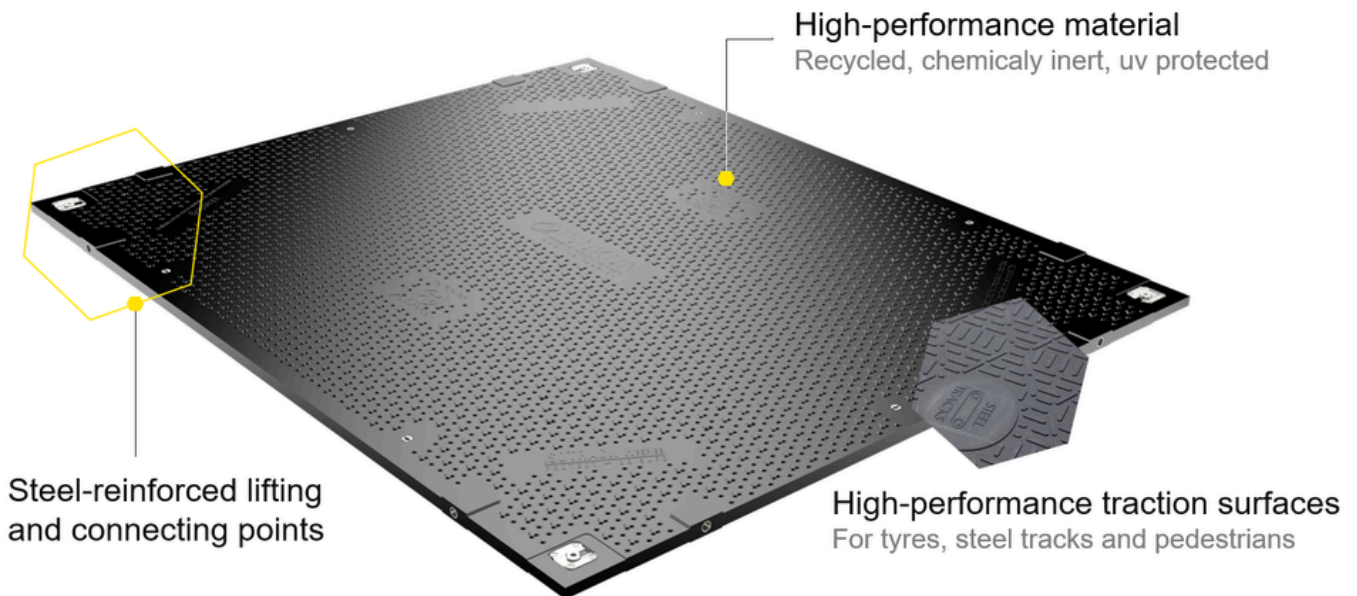


**ISOTRACK tMAT**  
3000 x 2000 mm, 235 kg

# ISOTRACK H STANDARD

## PROTECT - BE SAFE

- 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.
- Unique Exchangeable nut Metal Connectors



| General Information |                                                                                                           |                           |                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| Overall Dimensions  | 3000 x 2500 mm                                                                                            | Handling and Installation | Mat incorporates lifting points - can use lifting hooks, slings, eye bolts, forklifts or vacuum lifting equipment |
| Thickness           | Total 46 mm, Core 38 mm                                                                                   | Connection                | Using standard M16 bolts with steel of flexible straps, steel reinforced connection points                        |
| Usable Surface Area | 3 m x 2.5 m = 7.5 m <sup>2</sup>                                                                          | Safety                    | Surface structure designs provide excellent traction for vehicles                                                 |
| Weight              | 295 kg                                                                                                    | Environmental             | No liquid absorption, chemically inert, allows easy decontamination/cleaning                                      |
| Material            | Recycled HDPE                                                                                             | Recycling                 | 100% recyclable                                                                                                   |
| Colour              | Black (standards), other colours optional subject to minimum order quantity                               | Fire Rating               | UL 94HB                                                                                                           |
| Transport           | 40' High Cube open top container up to 75 mats, Euroliner Truck (clear loading width 2.5m) up to 75 mats* | Load bearing capacity     | Ideal for supporting vehicles and equipment up to 150 tones**                                                     |

\*Euroliner (curtainsider) trailer with sliding posts/no rigid side walls; clear loading width 2.5 m

\*\*Load bearing capacity is dependent on the ground conditions



## KEY BENEFITS

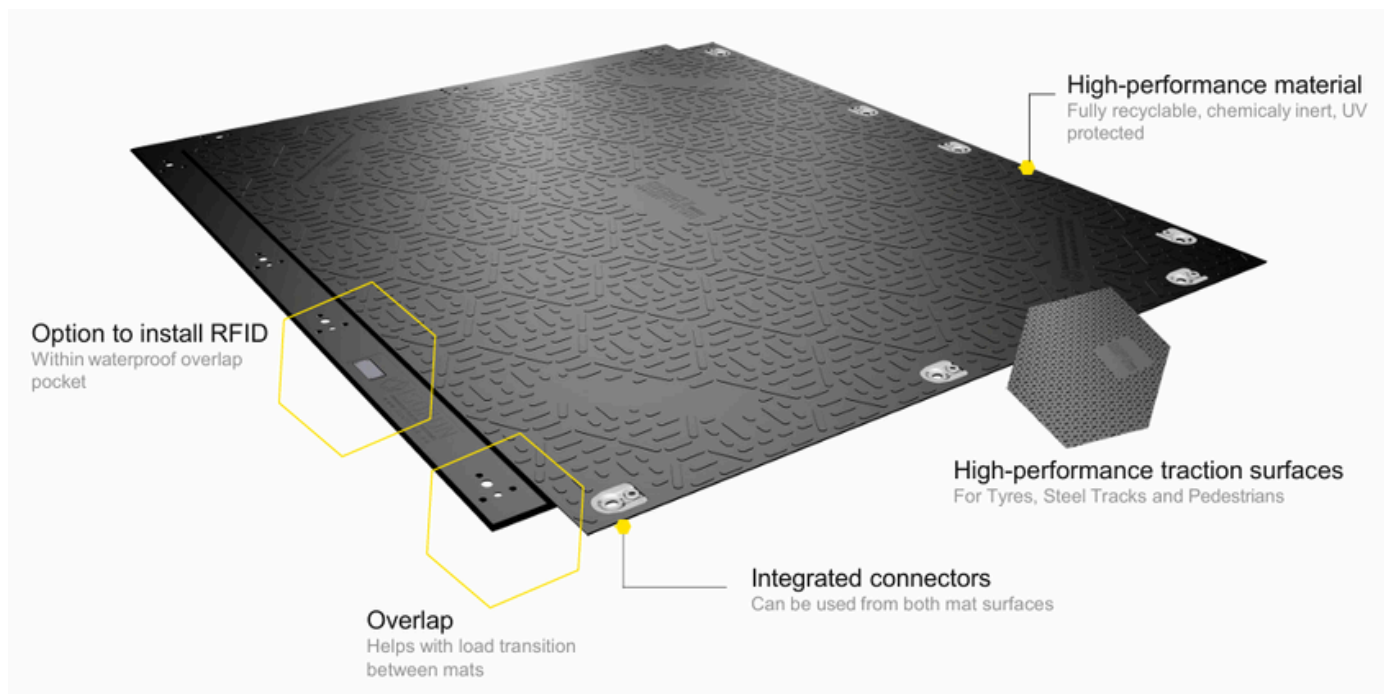
- Fast and easy to install using standard M16 bolts Install roadways, working pads, parking and turning areas
- Safe movement and access for vehicles, equipment and people
- Mats gently flex with ground contours – no ground preparation required
- Prevent severe rutting and damage – protect sensitive 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



# ISOTRACK H OVERLAP

## PROTECT - BE SAFE

- Heavy duty application
- Overlap system ensures good load transfer across mats
- Reversible mat each side having a different traction surface
- Both brickwork (offset) and orthogonal assembly options possible
- Unique Exchangeable nut Metal Connectors
- All metal parts are recessed below useful surface
- Integrated connectors can be used from either side using standard M16 bolts



| General Information        |                                                                                                           |                                  |                                                                              |
|----------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------|
| <b>Overall Dimensions</b>  | 3000 x 2500 mm                                                                                            | <b>Handling and Installation</b> | Vacuum lifting equipment recommended, Forklift                               |
| <b>Thickness</b>           | Total 46 mm, Core 38 mm                                                                                   | <b>Connection</b>                | Standard M16 bolts, Metal Connectors are integrated in the plate             |
| <b>Overlap</b>             | 150 mm                                                                                                    | <b>Safety</b>                    | Surface structure designs provide excellent traction for vehicles            |
| <b>Usable Surface Area</b> | 2.85 m x 2.35 m = 6.7 m <sup>2</sup>                                                                      | <b>Environmental</b>             | No liquid absorption, chemically inert, allows easy decontamination/cleaning |
| <b>Weight</b>              | 265 kg                                                                                                    | <b>Recycling</b>                 | 100% recyclable                                                              |
| <b>Material</b>            | Recycled HDPE                                                                                             | <b>Fire Rating</b>               | UL 94HB                                                                      |
| <b>Colour</b>              | Black (standard), other colours optional subject to minimum order quantity                                | <b>RFID or GPS tags</b>          | Option to install your tag of choice within weather proof pocket             |
| <b>Transport</b>           | 40' High Cube Open top container up to 75 mats, Euroliner Truck (clear loading width 2.5m) up to 84 mats* | <b>Load bearing capacity</b>     | Ideal for supporting vehicles and equipment up to 150 tonnes**               |

\*Euroliner (curtainsider) trailer with sliding posts/no rigid side walls; clear loading width 2.5m

\*\*Load bearing capacity is dependent on the ground conditions



## KEY BENEFITS

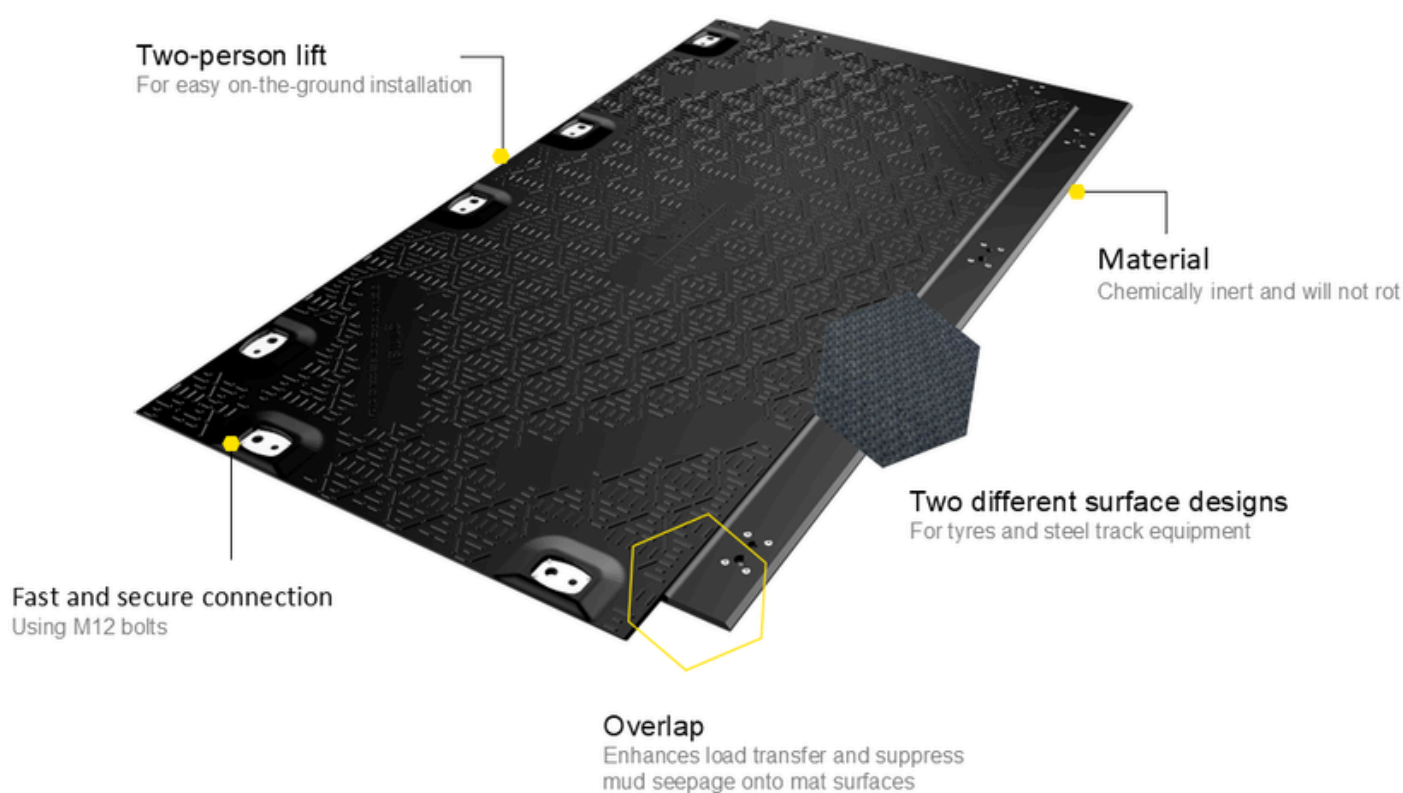
- One piece compression-moulded, high-performance recycled thermoplastic material resistant to chemicals and oil and is UV protected
- Can be used on a wide range of different ground conditions and soil types to prevent vehicles and site personnel getting bogged down
- Safe movement and access for vehicles, equipment, and people
- Prevent severe rutting and damage – avoid ground reinstatement cost
- Mat's gently flex with ground contour – no ground preparation required
- Flexible but tough and durable mat for long life use
- Cannot puncture and take on water or contaminants
- Easy to clean after use
- Low theft risk compared to aluminium and steel mats
- Sustainable – made from material that is 100% recyclable at end of life



# ISOTRACK M

## PROTECT - BE SAFE

- Lightweight man-handable Heavy duty application
- Overlap system ensures good load transfer across mats
- Reduced risk of mud pushing up onto mat surface (overlap mat)
- Both brickwork (offset) and orthogonal assembly options possible
- Robust metal connection design
- Two connectors possible:
  1. Connection from both sides using standard M12 bolts
  2. Exchangeable nut metal connector using standard M12 bolts



| General Information        |                                                                            |                                  |                                                                              |
|----------------------------|----------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------|
| <b>Overall Dimensions</b>  | 1906 x 1000 m                                                              | <b>Handling and Installation</b> | Two-person lift, no special tools or equipment required                      |
| <b>Thickness</b>           | Total 33 mm, Core 25 mm                                                    | <b>Connection</b>                | Standard M12 bolts, metal connectors are integrated in the plate             |
| <b>Overlap</b>             | 100 mm                                                                     | <b>Safety</b>                    | Surface structure designs provide excellent traction for vehicles            |
| <b>Usable Surface Area</b> | 1.8 m x 0.9 m = 1.62 m <sup>2</sup>                                        | <b>Environmental</b>             | No liquid absorption, chemically inert, allows easy decontamination/cleaning |
| <b>Weight</b>              | 43 kg                                                                      | <b>Recycling</b>                 | 100% recyclable                                                              |
| <b>Material</b>            | Recycled HDPE                                                              | <b>Fire Rating</b>               | UL 94HB                                                                      |
| <b>Colour</b>              | Black (standard), other colours optional subject to minimum order quantity | <b>RFID or GPS tags</b>          | Option to install your tag of choice within weather proof pocket             |
| <b>Transport</b>           | Standard 40' High Cube container 506 mats, Truck standard EU 546 mats      | <b>Load bearing capacity</b>     | Ideal for supporting vehicles and equipment up to 130 tonnes*                |

\*Load bearing capacity is dependent on the ground conditions



## KEY BENEFITS

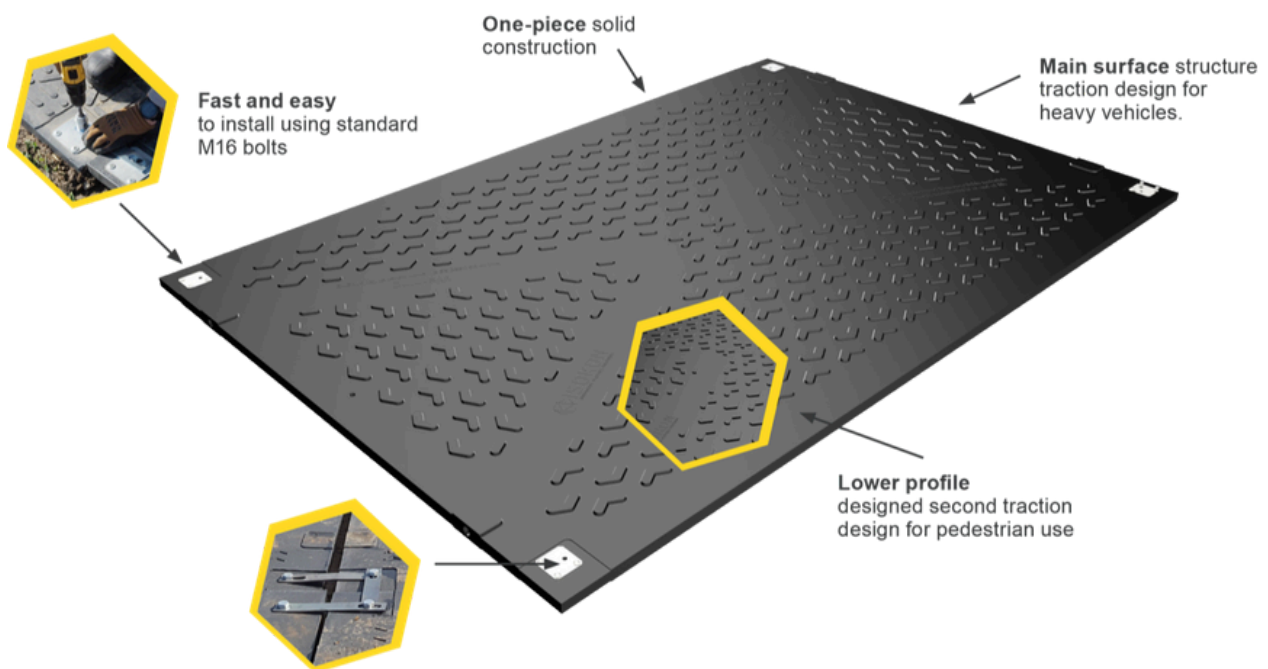
- Two-person lift for easy on-the-ground installation
- Ideal for Medium-Heavy duty project applications
- Can be used on soft to firm soil types to make temporary roadways and work pad areas for supporting a wide range of vehicles and equipment as well as site workers and pedestrians
- Fast and secure connection using M12 bolts
- Overlaps enhance load transfer and suppress mud seepage onto mat surfaces
- Two different surface nub traction designs – for tyres and steel track equipment
- Can be connected in different configurations to make roadways, pads, turning areas or passing places
- Material is chemically inert and will not rot
- Durable, long-life mat that is fully recyclable at end of life



# ISOTRAK<sup>t</sup> MAT

## PROTECT - BE SAFE

- 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
- Steel-reinforced lifting points



| General Information        |                                                                            |                                  |                                                                                            |
|----------------------------|----------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------|
| <b>Overall Dimensions</b>  | 3000 x 2000 mm                                                             | <b>Handling and Installation</b> | Can use lifting hooks, slings, eye bolts or fork-lifts, vacuum lifting equipment           |
| <b>Thickness</b>           | Total 47.5 mm, Core 38 mm                                                  | <b>Connection</b>                | Using standard M16 bolts with steel or flexible straps, steel reinforces connection points |
| <b>Usable Surface Area</b> | 3 m x 2 m = 6 m <sup>2</sup>                                               | <b>Safety</b>                    | Surface structure designs provide excellent traction for vehicles                          |
| <b>Weight</b>              | 235 kg                                                                     | <b>Environmental</b>             | No liquid absorption, chemically inert, allows easy decontamination/cleaning               |
| <b>Material</b>            | Recycled HDPE                                                              | <b>Recycling</b>                 | 100% recyclable                                                                            |
| <b>Colour</b>              | Black (standard), other colours optional subject to minimum order quantity | <b>Fire Rating</b>               | UL 94HB                                                                                    |
| <b>Transport</b>           | Standard 40' High Cube container 80 mats, Truck standard EU 96 mats        | <b>Load bearing capacity</b>     | Ideal for supporting vehicles and equipment up to 150 tonnes*                              |

\*Load bearing capacity is dependent on the ground conditions



## 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

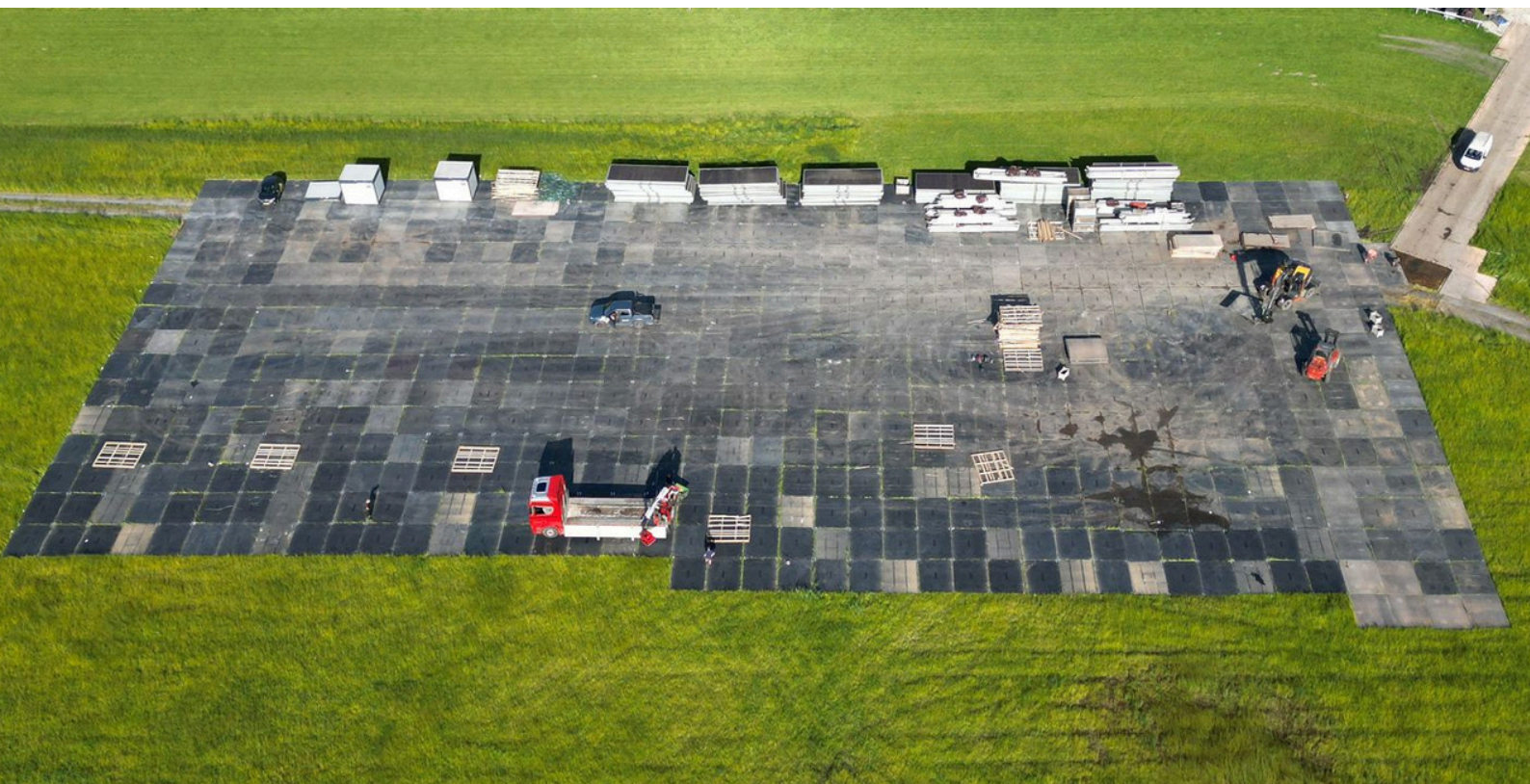


# SAFETY AND PERFORMANCE

- 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

## 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





# 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.

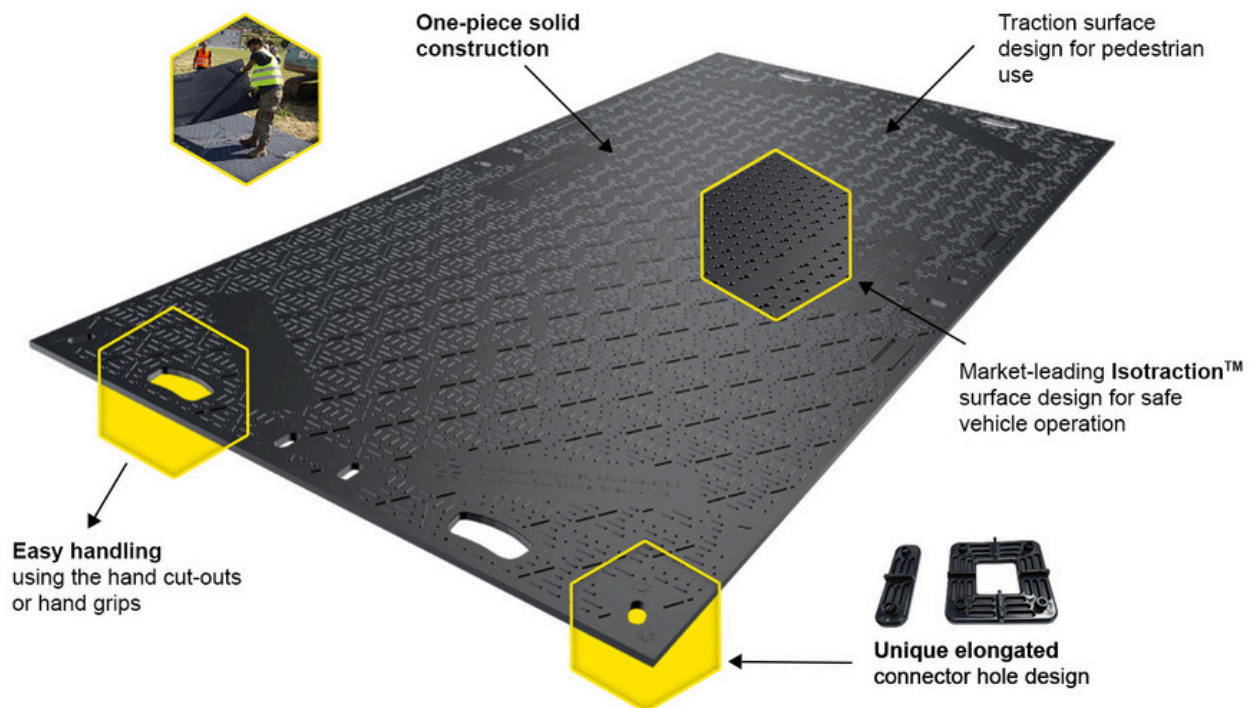
Two-person lift for easy handling and installation.



# ISOTRACK L

## PROTECT - BE SAFE

- 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



| General Information        |                                                                            |                                  |                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Overall Dimensions</b>  | 2410 x 1200 mm                                                             | <b>Handling and Installation</b> | Handhold cut-outs and hand grips for easy handling - two-person lift, no specialist tools or equipment required              |
| <b>Thickness</b>           | Total 20 mm, Core 12 mm                                                    | <b>Connection</b>                | 2-Way, 4-Way Connector                                                                                                       |
| <b>Usable Surface Area</b> | 2.4 m x 1.2 m = 2.89 m <sup>2</sup>                                        | <b>Safety</b>                    | Surface structure designs provide excellent traction for vehicles                                                            |
| <b>Weight</b>              | 36 kg                                                                      | <b>Environmental</b>             | No liquid absorption, chemically inert, allows easy decontamination/cleaning                                                 |
| <b>Material</b>            | Recycled HDPE                                                              | <b>Recycling</b>                 | 100% recyclable                                                                                                              |
| <b>Colour</b>              | Black (standard), other colours optional subject to minimum order quantity | <b>Fire Rating</b>               | UI 94HB                                                                                                                      |
| <b>Transport</b>           | Standard 40' High Cube container 560 mats, Truck standard EU 650 mats      | <b>Load bearing capacity</b>     | Ideal for supporting lighter vehicles and equipment up to 20 tonnes on softer ground and more than 80 tonnes on firm ground* |

\*Load bearing capacity is dependent on the ground conditions



## 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



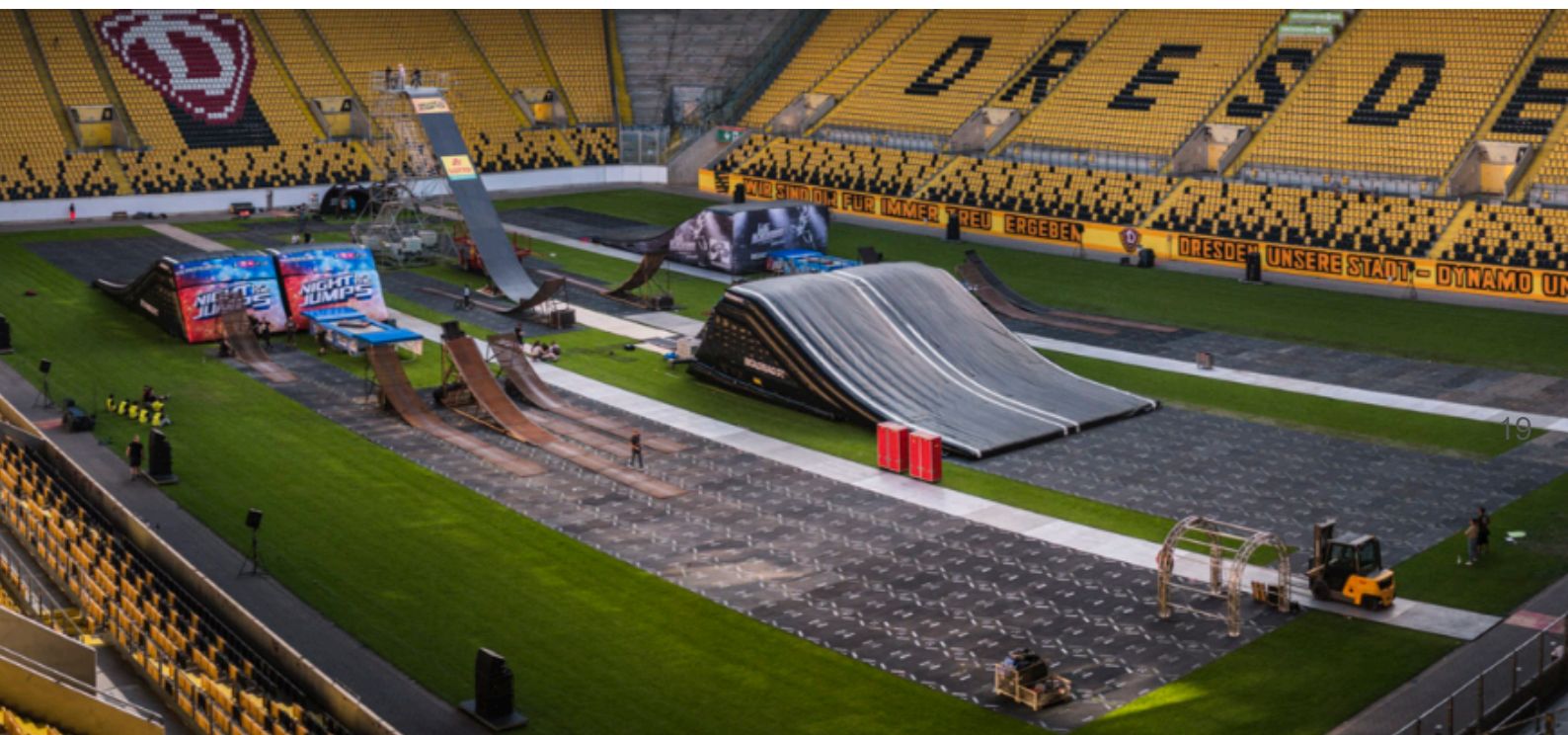
## SAFETY AND PERFORMANCE

- 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



## 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





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## EASILY CALCULATE THE NUMBER OF ISOTRACK MATS YOU NEED

Scan the QR code below to quickly calculate the estimated number of Isotrack mats you need for your project and get your results instantly.





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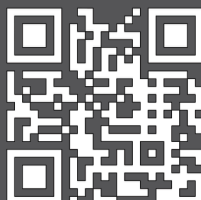
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