

ALS TRACK WAY

Ground Protection Mats

SignaRoad

SignaRoad mats protect people and equipment by providing medium to heavy duty access and surfaces for industrial work sites and events. They provide a stable, non-shifting surface with secure traction.



SignaRoad is a high performance ground mat for all terrains, it minimizes soil compaction and protects existing vegetation.

It's patented edge system means that each mat overlaps the preceding mat producing a seamless roadway, with mats interacting in unison rather than individually as is the case in other trackway systems.

Mats are joined together using a camlocking system.



SignaRoad® Specifications

Material: High Density Polyethylene (HDPE) with impact modifiers incorporating UV resistance and anti-static properties

Size: 3000mm x 2000mm

Overall Thickness: 64mm

Weight: 225kg

Loading: 280 tonnes per sq m

Upper Working Temperature: 55 - 120°C

Flammability: UL94HB

Fire Fighting Measures: water, foam, carbon dioxide, dry powder.

Sensitization: Polyethylene is not considered to be a skin sensitizer, Does not promote chronic toxicity or carcinogenicity.

Disposal: 100% can be recycled.

Waste Codes: 070213 (waste plastics)
120105 (plastic shavings / turnings)



SignalRoad Ground Protection

Installation

SignalRoad is designed to connect lengthwise and widthwise, thus allowing flexibility in roadway design.

For typical roadways, it is recommended that mats be connected long-side to long-side, which creates a 3m wide roadway, suitable for typical vehicles and equipment. Alternatively, mats may be connected two mats wide, short-side to short-side. Mats may be laid side by side or staggered, depending on the need for additional strength. It is generally recommended that when connecting roadways using the short-side to short-side method that mats be staggered for greater strength.

Always connect SignalRoad in the direction of the under-lapping flange, so that they are always ready to receive the next overlapping mat.

Each mat has 10 integral, cam-hole locations, ready to receive locking pins. These integrally moulded receivers are designed to help guide and assist in the alignment of mats on-site. Each connection cam receives a high-strength, polymer locking pin that is inserted through two mats and rotated 90 degrees to the locked position using a waist-high T-handle wrench.

It is important to remember that SignalRoad is not designed as a bridging solution and should not be considered for crossing large holes or gaps greater than 30cm.

Double stacking is suitable for deep mud applications or for areas where greater clearance from a soft ground surface is required.

SignalRoad mats are removed in the opposite direction to which they were laid.

Handling

Material handling equipment and PPE should always be utilised when handling SignalRoad mats. Mats can be lifted with a forklift, crane, or any other lifting apparatus with appropriate load-lifting capacity, verify the load rating of your handling equipment before you begin.

Tapered forks (minimum 1.5m) are recommended for the safe transport of mats; it is recommended that sections be picked up from the long side when loading onto flatbeds or transporting on-site.

Cleaning

Care should be taken to ensure that the surface of the mats is kept clear of any debris that could damage them. No specialist equipment is required to clean surface debris from SignalRoad mats. Mats can be cleaned using cold water and a pressure washer.

Speed Limit

SignalRoad® mats are designed to give safe movement, ground access and protection for plant and vehicles moving over the mats at a **MAXIMUM SPEED OF 5 MPH**.

This is a strict speed limit, to be observed at all times. Failure to comply may result in damage to both the mats and / or the mat connectors.

Tracked vehicles

To avoid damage to the surface of the SignalRoad mats, it is recommended that steel tracked vehicles with aggressive tracks (such as on excavators) should not be driven over them.

Smooth steel tracks (such as on crawler cranes) can be used. Rubber tracked vehicles may be used.

SignalRoad

✓	✓	✓	✓	✓	✓	✓
Heavy Plant	Vehicles	Pedestrians	Anti-Slip	Handling	T	PPE

ALS

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