

GroundGuards®

MudStopper



SITE EXIT **CONTROL SYSTEM**

Installation Guide

HARDWARE



HARDWARE BOX CONTENTS

QTY	Product Code	Product Description
14	5210	Long Steel Plate
2	5211	Short Steel Plate
14	5225	12mm Bolt
14	5226	Nut for 12mm Bolt
3	5250	H Bracket

Hardware box contains the hardware required to complete a typical four mat installation. An eight mat installation will require (2)



*Anchoring sold separate

Recommended	Optional
Crescent Wrench	Impact Driver - with 19mm socket adapter
Ratchet with 19mm socket	
Hammer	Demolition Hammer with ground rod adaptor
Sledge Hammer	
Shovel	Extension Cord
10 or 12mm Steel Drive Rod	Generator
Cable Cutters	Jack-Jaw Stake Removal Device
Vise Grips	

GETTING STARTED





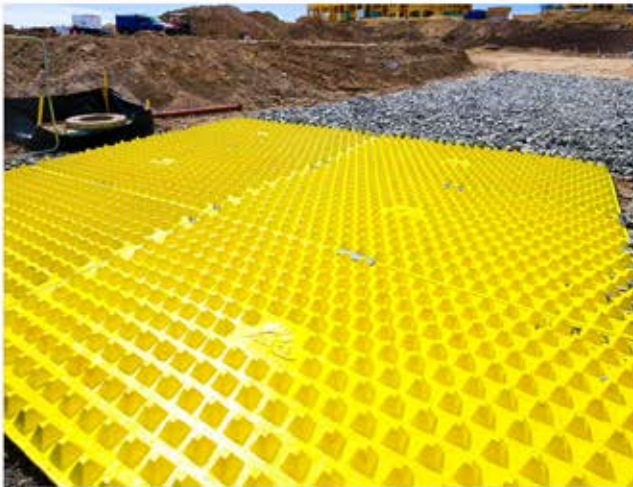
HARDWARE INSTALLATION

Set mats on ground and then pull the mats into place using the hooks. Typically the mats are placed at the furthest exit point next to the street or furthest point of egress. Make sure to align mats such that the vehicles using the exit have a clear path of travel and are clear of obstacles.

Place H-Bracket in between first and second mats so that the lip of each mat is inside of H-Bracket. Once the H-Bracket is in place, pull mats together tightly using Mudstopper hooks.

SIDE BY SIDE INSTALLATION

For a side by side mat install such as a 2x4, install the hardware as you would for single wide Configuration. Install the mats as a regular single wide with another regular single wide mat installed adjacent to the first. On the entrance and exit mats, install short strap as shown in the picture between the 2 mats.



ANCHORING

The Mudstopper control system must be anchored in place for safety and to ensure proper performance. Proper anchoring procedure may vary depending on use and substrate condition.



ANCHOR SYSTEM #1: FORM STAKES

Form stakes may be hammered into the mats pre-drilled holes. Mudstopper recommends a min. of two stakes per mat (one per side). For the first and last mat of the trackout system, the stakes should be driven in corner holes. 450 or 600mm form stakes are recommended. Length of stake required may depend on the structure of the soil.

Ensure that stakes are driven a minimum of 25mm below the top of the pyramids.

BEST PRACTICE

To prevent mats from “riding up” on stakes, place a washer over the stake and insert a 16-penny double head nail through the top hole of the stake. Hammer stake into ground until the washer and nail are snug against the mat, then bend over the nail so nail cannot work itself out.



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ANCHOR SYSTEM #2: CABLE EARTH ANCHOR

Cable or threaded rod earth anchors can be used to secure the mats and are recommended for installations where the top 365cm soil may be weak or where mats are needing to be "pulled" down to the substrate.

Place drive rod into the anchor. Use a demolition hammer with ground rod adapter to drive anchor through pre-drilled holes in mat into solid soil (75-100mm deep) and remove drive rod and pull up on cable to set anchor and tension cable. While pressing mats tight to ground, slide provided washer down cable until flush with the top of mat.

BEST PRACTICE

Place one cable anchor per side in the corners on the first and last mat of the system. Place two form stakes into all other mats in the system.



ANCHOR SYSTEM #3: INSTALLATION ON ASPHALT OR CONCRETE

To anchor the mats to asphalt or concrete, a concrete expansion bolt can be used. Recommended anchor diameter 19mm bolt with a minimum embedment into the asphalt or concrete of 80 or 100mm from the top of the mat down in to the hole. To install the bolt:

1.

Once the mats have been set in place and all hardware properly connected, drill a hole into the base material with a hammer drill and a correctly sized carbide drill bit for the anchor you are using. For ease the drill bit can be inserted through the mat pre-drilled hole's where you intend to place the anchor bolt.

2.

Once hole has been drilled to proper depth, remove all debris from hole.

3.

Insert the Single Expansion Anchor into the hole and tap the fastener lightly with a hammer to ensure it is flush with the base material.

**A Sleeve Anchor is recommended for installation on asphalt.*

4.

Tighten nut to expand anchor in the hole.



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