



ACO GroundGuard

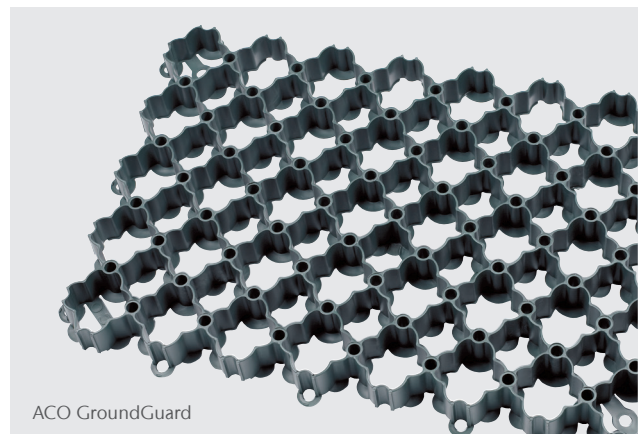
DATA SHEET

Ground reinforcement grid for gravel and grass surfaces.

ACO GroundGuard's sturdy grid protects grass and locks in gravel, allowing regular trafficking by pedestrians and domestic vehicles. GroundGuard's open cell structure allows rainwater to permeate into the ground where it lands.

Benefits

- Light weight of product allows easy transport and installation
- Tiles easily cut to shape for irregular edging
- Suitable for sloped installations up to 1:12 when pegged
- Combine with ACO BorderGuard where installation adjoins flowerbed or lawn and to reduce lateral movement
- Provides a suitable ground surface for access to buildings in accordance with Building Regulations Part M in England and Wales and Building Standards Section 4 in Scotland



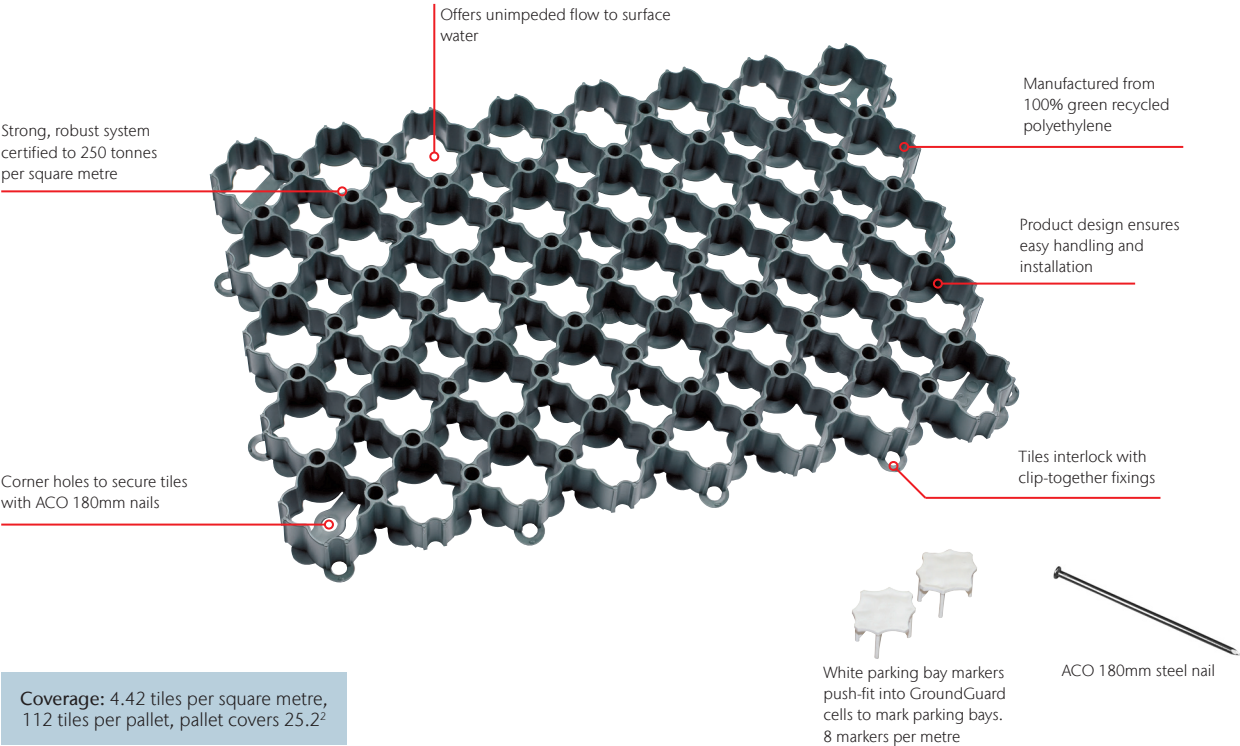
ACO GroundGuard

Applications

- Paths
- Cycleways
- Domestic drives
- Base for garden buildings and hot-tubs
- Private and public car parks*
- Caravan parks*
- Emergency access routes*

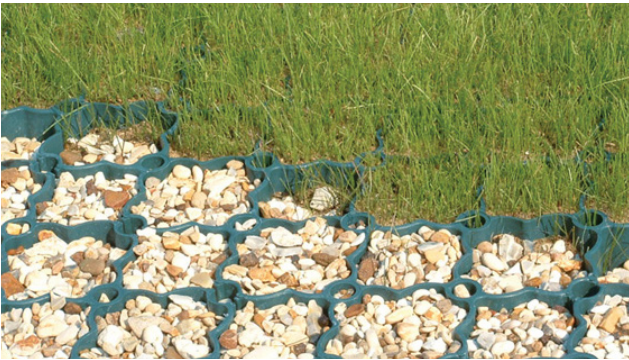
* Contact Technical Team to confirm suitability

Features



Why use ACO GroundGuard with grass and gravel surfaces

Reinforcement to reduce damage and allow access
The rigid interlocking cells transfer the weight of traffic direct to the sub-base beneath, protecting grass and stabilising gravel. This reduces wear strips, rutting, uneven surfaces and ponding. The cells lock the gravel in place, preventing it scattering beyond where it is laid and aiding access for pedestrians, prams, wheelchairs, wheelbarrows, bikes and domestic vehicles.



Permeability to reduce rainwater runoff
The open structure of the cells allows rainwater to pass through to the absorbent soil below, replenishing groundwater and reducing rainwater runoff into the sewerage system.

The ACO Ground Reinforcement System

ACO GroundGuard supports grass and gravel surfaces to be trafficked by vehicles and pedestrians.

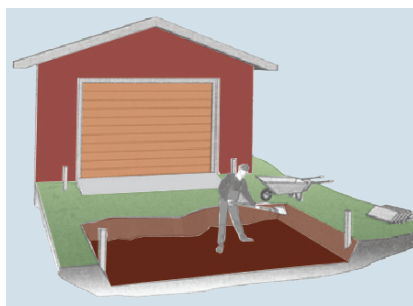
ACO GravelGuard supports gravel surfaces to be trafficked by pedestrians, prams, wheelchairs and cycles.

ACO BorderGuard creates a secure and neat boundary between a reinforced gravel or paved surface and an adjoining boarder or lawn.

Product Code	Description	Length	Width	Depth	Weight
		[mm]	[mm]	[mm]	[kg]
ACO GroundGuard					
81070	GroundGuard tile	585	385	38	1.3
81072	White parking bay marker	-	-	38	0.1
81073	ACO 180mm steel nails (bag 50)	180	6	-	1.3

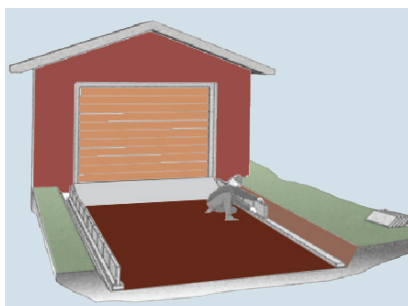
Installation

This guide gives general advice on installing ACO GroundGuard. Independent advice should be sought regarding installation in specific locations.



STEP 1

Depending on soil conditions and intended use of the area to be stabilised, dig out the existing base e.g. typically for light vehicle traffic / parking areas, 200-300mm will suffice. With heavy wheel loads or a clay soil, 400mm may be necessary. **NB. Seek independent engineering advice to determine required sub-base thickness and what drainage may be needed.**



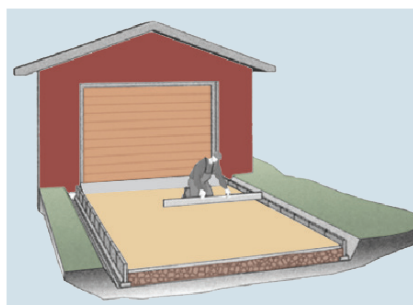
STEP 2

If using concrete edging pieces, install them next. If using ACO BorderGuard, install these between steps 4 and 5.



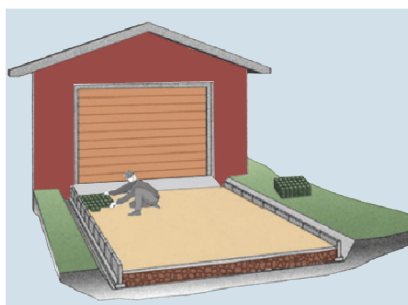
STEP 3

Compact the sub-base using a plate compactor. Fill the excavated area with free draining MOT Type 3 to 100mm (grass) or 80mm (gravel) below the finished level. Tamp down with a roller or plate compactor.



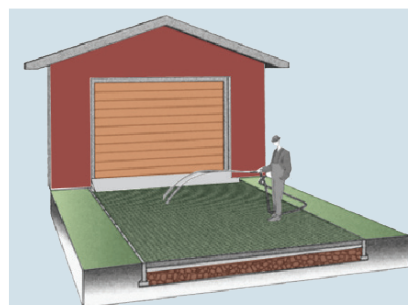
STEP 4

Level the area with a layer of fine aggregate or for grass, sieve a sand/soil mix (typically a 70/30 ratio). Level using a rail or wooden batten and compact as shown in the diagram above.



STEP 5

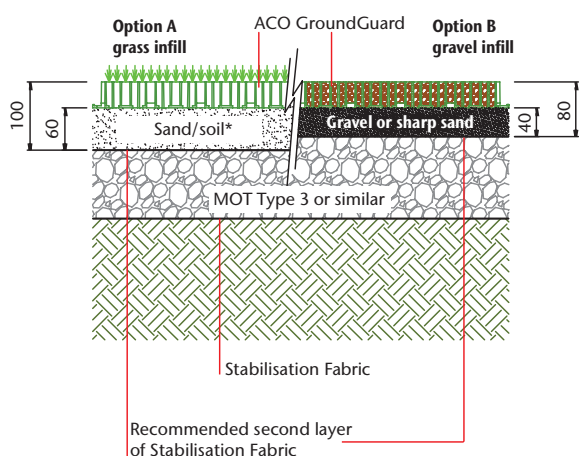
If using ACO BorderGuard to edge the area, install it at this stage. Install ACO GroundGuard tiles along the length of the area. Then assemble ACO GroundGuard laterally. Interlock the fastening clips. For best performance the tiles should be laid in a staggered pattern rather than a grid pattern. Please refer to the diagram below. If using ACO GroundGuard nails, peg every other tile using two nails per tile through the holes at the corner. ACO GroundGuard may be used on slopes up to a maximum of 1:12 in this case every tile should be pegged in the way described previously.



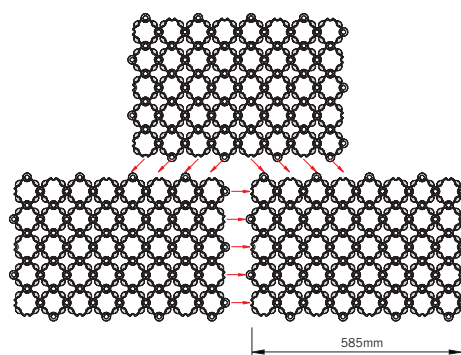
STEP 6

Fill in the ACO GroundGuard tiles with the chosen finish. For highly trafficked areas we recommend using a lawn seed suitable for parking use, typically a mix of ryegrass and fescue as recommended locally and avoid traffic until the grass is taken. If you wish, gravel can be used as fill instead. 10-14mm gravel is recommended.

ACO GroundGuard installation incorporating Stabilisation Fabric



Correct installation pattern



Use QR code for installation video

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