



ACO GravelGuard

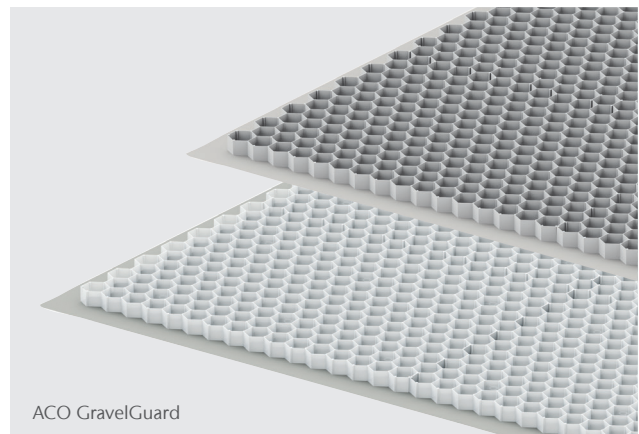
DATA SHEET

Ground reinforcement grid for gravel stabilisation.

ACO GravelGuard's honeycomb of cells locks the gravel in position, improving access and reducing scatter. ACO GravelGuard's open cell structure and the permeable geotextile allow rainwater to pass through to the absorbent soil below, replenishing groundwater and reducing rainwater runoff into the sewerage system.

Benefits

- Tiles are lightweight and supplied folded in half, allowing for easy transport and installation
- Tiles easily cut to shape for irregular edging
- Suitable for sloped installations up 1:12 gradient when pegged
- Geotextile prevents gravel from sinking into laying course beneath and limits weed growth
- Combine with ACO BorderGuard where installation adjoins flowerbed or lawn
- 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



Applications

- Paths
- Patios
- Cycleways
- Base for garden furniture, buildings and hot-tubs

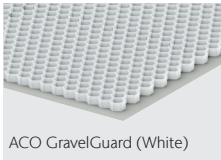
Features

Honeycomb cells and permeable geotextile allow rainwater to permeate into soil beneath

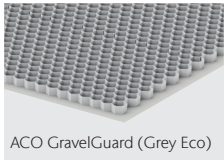
Both tiles manufactured from polypropylene, with GravelGuard Grey Eco tile (281095) manufactured from 100% recycled polypropylene

Geotextile securely bonded to tile, overlaps with adjoining tile and is non-woven so cuts easily

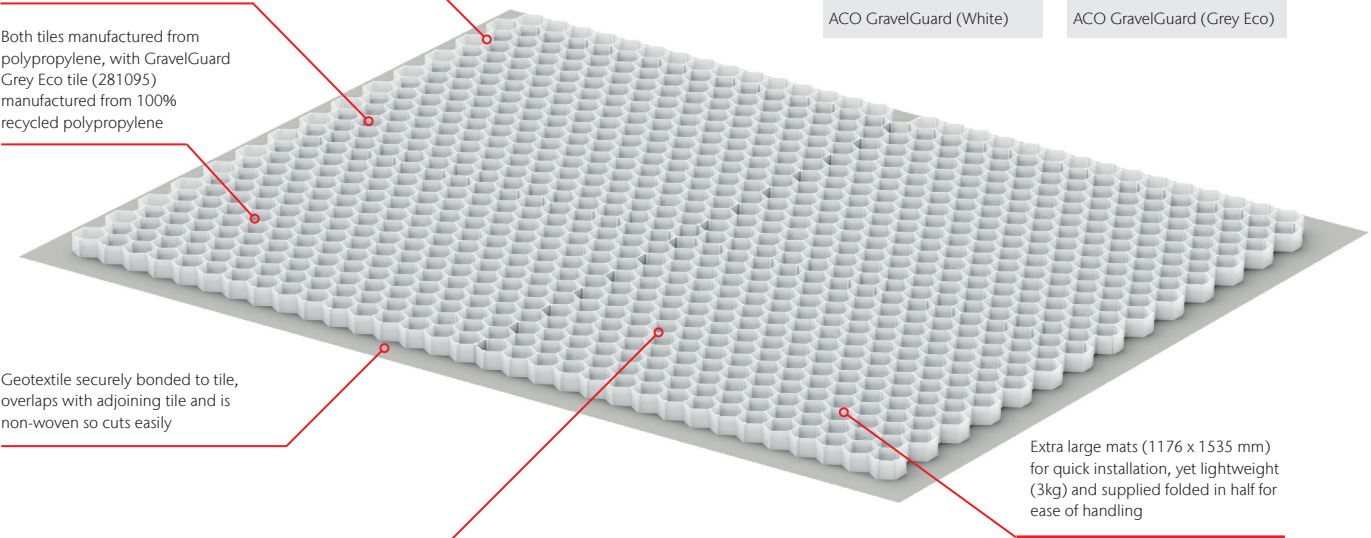
Cells 47mm diameter and 30mm deep accommodates 10-14mm gravel, stabilising and containing gravel surfaces



ACO GravelGuard (White)



ACO GravelGuard (Grey Eco)



Coverage: 5.6 mats per 10m², 17 tiles per pallet, pallet covers 30.68m².

24 pegging points per tile for use with ACO 180mm nails, allowing sloped installations of up to 1:12 when pegged

Extra large mats (1176 x 1535 mm) for quick installation, yet lightweight (3kg) and supplied folded in half for ease of handling

Two tile options with ACO GravelGuard

The **ACO GravelGuard Grey Eco tile (281095)** has the same features as the **GravelGuard White (281093)**, but is made from 100% recycled polypropylene and is distinguished from the latter by its off-white, greyish colour.

The Grey Eco tile is certified by Blue Angel, a German certification scheme for environmentally friendly products. The recycled polypropylene is manufactured from consumer waste plastic. This keeps plastic out of landfill, requires less energy to manufacture than if from raw petroleum and supports a circular economy.

NOTE: The GravelGuard Grey Eco tile appears darker in photos due to shadowing, but is nearer to off-white when viewed in person.



Why use ACO GravelGuard with gravel surfaces?

Contain gravel and allow access: The cells lock the gravel in place, preventing it scattering beyond where it is laid. This also aids access for pedestrians, prams, wheelchairs, wheelbarrows and bikes.

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 [mm]	Width [mm]	Depth [mm]	Weight [kg]
ACO GravelGuard					
281093	GravelGuard White tile	1176	1535	30	3
281095	GravelGuard Grey Eco tile	1176	1535	30	3
81073	ACO 180mm steel nails (bag 50)	180	6	-	1.30

Installation

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



STEP 1

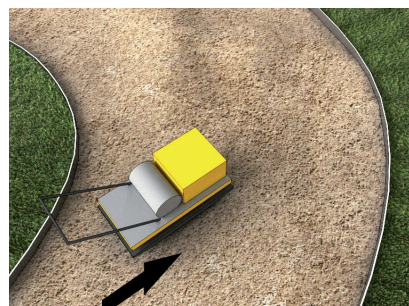
Depending on the soil conditions and intended use of the area to be stabilised, dig out the existing base. Typically, for driveways, 260-360mm.

Note: Seek independent engineering advice to determine the required sub-base thickness and what drainage may be needed.



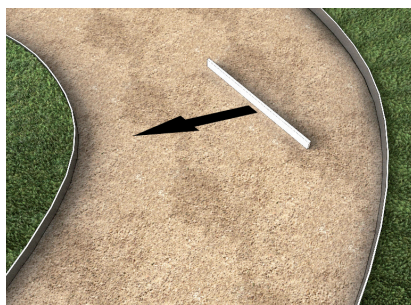
STEP 2

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



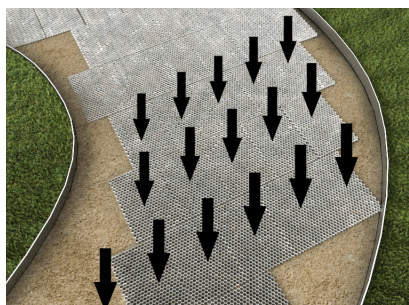
STEP 3

Compact the sub-base using a plate compactor. Fill the excavated area with free draining MOT Type 3 to 110mm below the finished level. Tamp down with a roller or plate compactor.



STEP 4

Level the area with a layer of fine sand to 60mm depth. Use a rail or wooden batten and compact. If using ACO BorderGuard to edge the area, pin it through the laid sand.



STEP 5

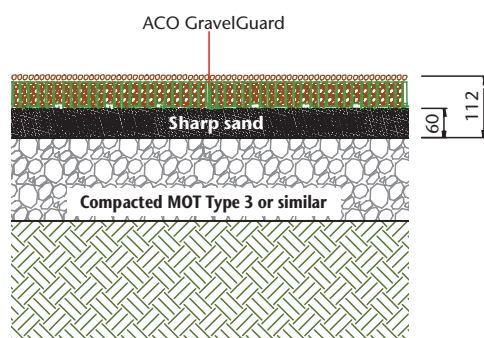
Unfold ACO GravelGuard tiles and install along the length of the area. Install the tiles ensuring that the geo-membrane overlaps each other. For best performance the tiles should be laid in a staggered pattern rather than a grid pattern. When installed on a slope (up to 1:12), pegging is advised.



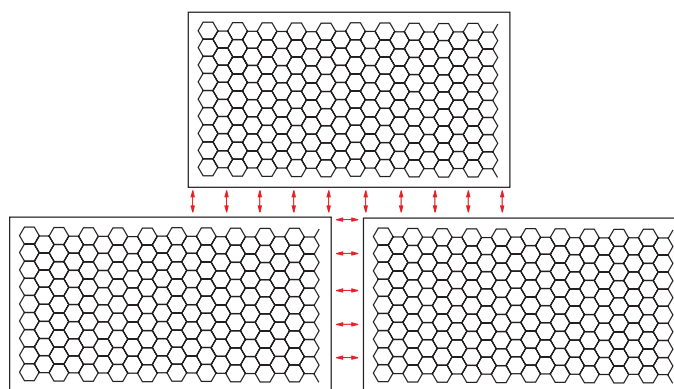
STEP 6

Fill in the GravelGuard tiles with 10-14mm gravel and compact. Once compacted add a further 15-20mm layer of gravel, finally rake the gravel to distribute evenly.

ACO GravelGuard installation



Correct installation pattern



Use QR code for
installation video

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