



Ecodeck 50mm Grid Installation Guide

Step 1: Measure the Site

1. Take Measurements:

- Divide the area into smaller squares/sections.
- Measure the length and width of each section, then sum up all areas for the total.

2. Assess the Surface:

Existing Surface:

- Check for damages (e.g., cracks in concrete).
- Decide whether to remove the surface based on its condition and budget.
- Address drainage issues if the area floods or pools.
- For hard surfaces (concrete/tarmac), fill any holes with sand and sub-base materials.

New Surface:

- Plan a proper foundation based on soil type and vehicle use.
- Use a sub-base to ensure long-lasting support and address poor drainage.

Step 2: Order Materials

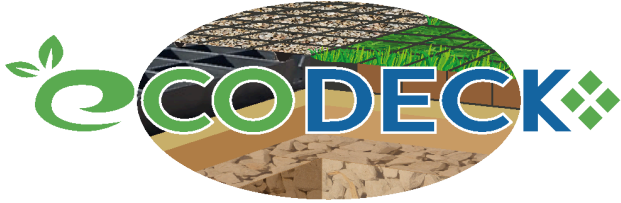
- Create a materials list and schedule deliveries to avoid delays.

Recommended Layers for New Surfaces:

- 160mm compacted sub-base (e.g., type 1/3 MOT) on top of geotextile.
- 20mm sharp sand layer.
- Weed suppressant membrane.
- 50mm gravel grids.
- 60mm depth of 30mm angular gravel.

Notes:

- Choose angular gravel (30mm for best results).
- Calculate materials for the sub-base using tools or formulas for 160mm depth.



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Step 3: Lay the Gravel Grids

1. Orient grids uniformly (male connectors on bottom/right).
2. Interlock rows by connecting female connectors to male connectors.
3. Cut grids with a saw to fit edges.
4. Secure edges tightly to prevent movement.
5. Ensure the surface is level before continuing.

Step 4: Fill Grids with Gravel

- Fill grid cells with 20mm–30mm angular gravel.
- For wheelchair-accessible areas, use 40mm gravel.
- Compact the gravel with a whacker plate (optional).

Tips for Success:

- Address drainage issues before installation.
- Use appropriate edging to maintain stability.
- Ensure materials are compacted and level for durability.