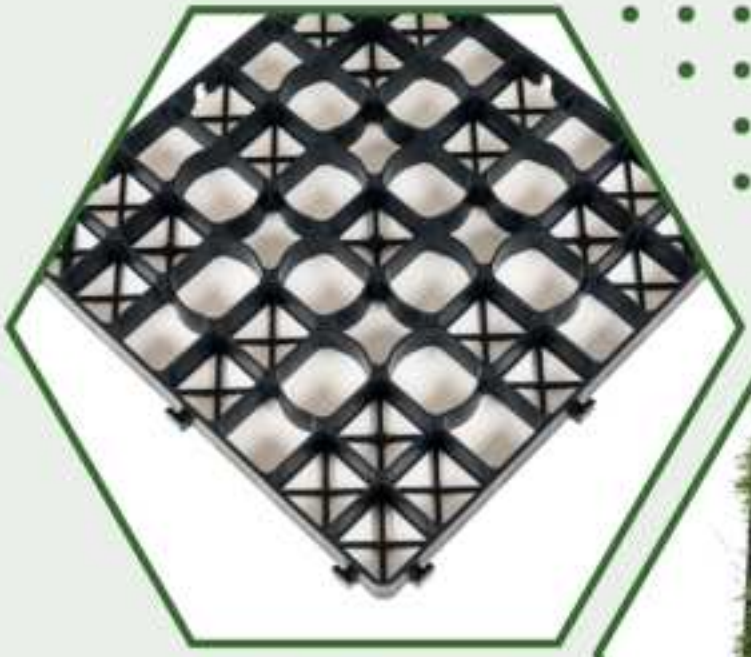
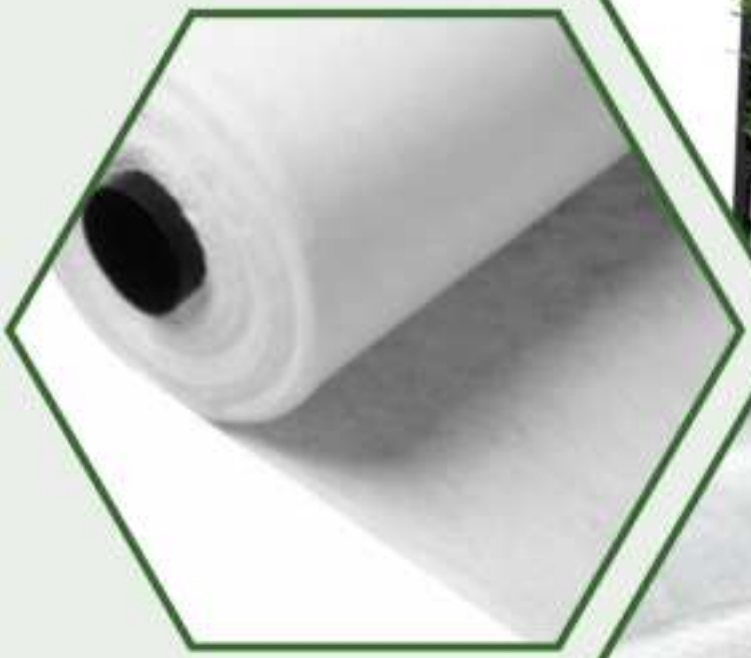
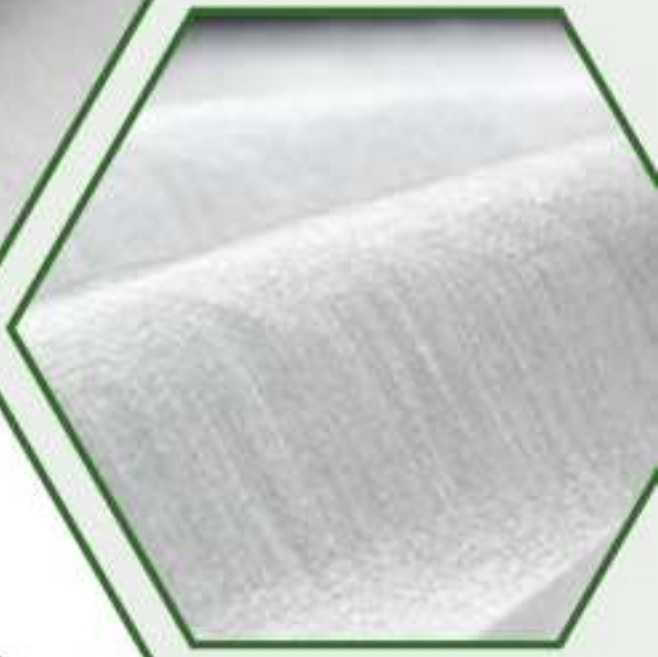
NAYLOR GRIDTECH

MADE IN UK







Installation Guide

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Installation Guide

A step-by-step guide to installing your new grass grids. Follow these seven simple steps to install your grass grids efficiently and effectively.

Step 1: Excavation

Before installation, you need to prepare the area.

Firstly, excavate to the required depth, as specified in your sub-base design.

Secondly, install edging restraints such as kerbing or concrete edging (if required).

Note: For attenuation systems, lay a sealed geomembrane to prevent water infiltration. For infiltration-based systems, no sealed membrane is needed.

Now, carefully place your sub-base, ensuring no membrane or geotextiles are disturbed.

Note: *Use a porous, free draining, and stable material. Avoid using standard sub-base material due to excessive fines that impede drainage.*

Step 2: Install the Geogrid

To enhance ground stability and prevent uneven settlement, a geogrid should be installed over the excavated surface.

Note: For optimum performance, ensure that the excavated surface is level and free from high spots.

Step 3: Free Draining Sub-Base

A stable and free-draining sub-base is crucial for long-term durability and performance. Lay, screen and compact to level your sub-base.

Top tip: Make sure to compact in layers, ideally less than 150mm thick.

Step 4: Install the Geotextile Layer

Now that your sub-base is ready, it's time to install your geotextile layer. Simply add a geomembrane sheet after your sub-base and before your bedding layer.

This will prevent the bedding layer from migrating and improves stability, reducing the risk of sinkage or settlement.

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Step 5: Prepare the Bedding Layer

The bedding layer provides a firm, but flexible base for your grids.

If you're filling your grids with grass, we recommend a mix of 5mm grit or sharp sand with high-quality topsoil. Lay a compacted 30mm layer.

Top tip: For optimal root growth, we recommend using a 4:1 ratio for your grit and soil.

If you're filling your grids with gravel, we recommend 5mm grit or sharp sand, in a compacted 30mm layer.

Top tip: For heavier-duty applications, use 5mm grit for your bedding.

Step 6: Lay the GridTech Grids

Your foundation is ready, and it's time to lay the grids.

Top tip: Lay your grids along the longest straight edge for better alignment

GridTech is supplied in m^2, usually four individual grids. Use a hard saw or circular saw for any necessary cuts. Once installed, stand on your grids to prevent bedding layer disturbance.

Is it your first time installing our grids? We recommend installing individually. Once you've installed our grids a few times, install in groups to speed up the process.

Step 7: Infill the GridTech Grids

The final step in your installation process is infilling your GridTech Grids. Proper infill is essential for stability and long-term use.

For grass infill, use high-quality topsoil, 60/40 root zone, or a blended sandy loam. Make sure you level the infill so the grid edges remain visible.

Note: Avoid traffic on the area until the grass has fully established - typically 8 weeks.

For gravel infill, fill grids with 5-15mm angular gravel. Use a vibrating plate to compact your infil.

Top-tip: avoid rounded gravel or pea shingle as they may migrate out of the grids.

Installation speed

Our grids can be installed at a rate of approximately $100m^2$-$110m^2$ per person per hour.

Please note that this is a guide only, and site-specific conditions may require adjustments.

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Grass Seed Mixes

Here are some recommended grass seed mixes tailored for different applications to ensure durability, resilience, and optimal performance:

General Parking

50% Perennial ryegrass

20% Slender creeping red fescue

25% Strong creeping red fescue

5% Browntop bentgrass

Access Ways

20% Slender creeping red fescue

20% Chewings fescue

30% Hard fescue

25% Strong creeping red fescue

5% Browntop bentgrass

Verges

35% Smooth stalked meadow grass

30% Slender creeping red fescue

25% Perennial ryegrass

10% Browntop bentgrass

Maintenance Tips

Regular maintenance ensures the longevity and performance of your grass grid system.

Once established, maintain with a standard grass care routine, such as mowing, watering, etc.

If infill appears to settle, please make sure the geotextile is correctly installed and top up as needed.

If you have any breakages, follow the steps below to repair:

1. Remove infill from damaged sections
2. Unlock and remove broken grid units
3. Smooth out the bedding layer
4. Insert replacement grids and lock into place
5. Refill to blend with surrounding surface

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