nidagreen®
synthetic turf underlay

Flatness

Durability

Drainage

For Artificial Grass Lawns & Roof Gardens

Lawns – Gardens – Landscapes – Roof Gardens – Playgrounds – Schools – Exhibitions – Balconies – Play Surfaces

- Underlay for all types of artificial grass
- Improves drainage to keep artificial grass dry
- Eliminates pooling water and saturated artificial grass
- Creates a long lasting, perfectly flat artificial grass surface
- Use as a lightweight sub-base replacement
- Lightweight, clean, easy to handle and quick to install

nidagreen®
synthetic turf underlay

🇬🇧 UK

For Artificial Grass Lawns & Roof Gardens

without nidagreen®

with nidagreen®

Excellent Drainage and Perfect Flatness Guaranteed

Nidagreen® is designed to be used as an underlay and supporting layer to an artificial grass surface by using panels with a dense honeycomb structure manufactured from polypropylene and sandwiched between two layers of geotextile membrane to ensure optimal drainage.

Ground Level Installation. Whether completing a new artificial grass lawn installation or refurbishing an existing hard surface or decking surface, Nidagreen® underlay ensures perfect drainage is achieved. Nidagreen® also spreads the load across the levelling course to guarantee a long lasting flat surface.

Flat Roof Installation. Whether it's a roof garden, roof terrace or balcony. Nidagreen® can be combined with Geoflow to provide a supporting layer that will not puncture the waterproofing layer and that artificial grass can be bonded to directly. It also ensures rainwater can flow freely underneath to reach the drainage outlets on the roof.

Drainage & Water Storage. Nidagreen® panels raise your artificial grass off the ground or sub-base layer. In heavy rainfall this ensures the artificial grass does not become saturated with water. Nidagreen® also has significant water storage capacity within its honeycomb structure so that rainwater can gradually drain away into the underlying ground or drainage system.

Nidagreen® Synthetic Turf Underlay Properties:

- Lightweight flexible panels are easy to handle and move
- 100% rainwater permeable for optimal drainage
- Honeycomb structure is 95% empty for water storage
- Can hold up to 24 litres of rainwater per square meter
- High compressive strength when installed
- Manufactured from UV stable and frost resistant material
- Can be easily cut to any shape or size on site
- Recyclable plastic material

For Artificial Grass Lawns & Roof Gardens

Nidagreen® Product Range

Products	nidagreen® 221 S	nidagreen® 221 L	nidagreen® 228 S	nidagreen® 228 L
Coverage	0.96 sqm	2.4 sqm	0.96 sqm	2.4 sqm
Dimensions	1.2m x 0.8m	2m x 1.2m	1.2m x 0.8m	2m x 1.2m
Thickness	21 mm		28 mm	
Colour	White			
Cell Size	8mm			
Compressive Strength	120 tonne per sqm			
Weight per sqm	1.6 kg		2.2 kg	
Weight per sheet	1.54 kg	3.84 kg	2.11 kg	5.28 kg
Geotextile Material	PET 25 grams per sqm			
Honeycomb Material	Polypropylene			
Traffic Intensity	◉○○○	◉○○○	◉○○○	◉○○○

Nidagreen® Accessories

Products	Geoflow®	ADgreen
Coverage	1 Roll covers 100 sqm	1 Roll covers 50 l/m
Dimensions	2m wide x 50m long	100mm wide x 50m long
Thickness	4 mm	n/a
Colour	White	Green
Compressive Strength	120 tonne per sqm	n/a
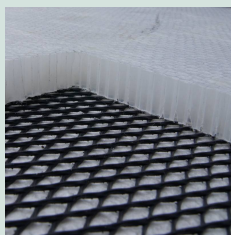
Geoflow
A three dimensional grid with high drainage capacity, ideal for use under nidagreen® on a flat roof or non-porous sub grade
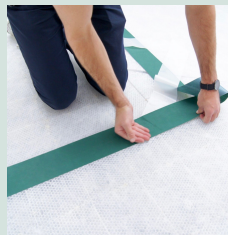
ADgreen
A strong and durable self-adhesive jointing tape for reliable and quick nidagreen® panel assembly

nidagreen®
synthetic turf underlay

🇬🇧 UK

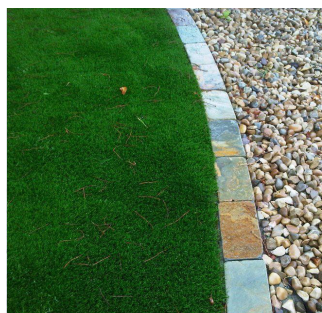## For Artificial Grass Lawns & Roof Gardens

Installation Guide

➤ FLAT ROOF OR NON-POROUS SURFACE

INSTALLING THE GEOSPACER

Nidagreen® can be laid on flat roofs and hard, non-porous surfaces such as tarmac and concrete slabs. To prevent stagnating rainwater and artificial grass saturation and to ensure the surface can be used even after heavy rainfall, Geoflow, our drainage geospacer is laid between the Nidagreen® sheets and the impermeable surface to guide rainwater to the perimeter edge and drainage outlets.

➤ STANDARD GROUND INSTALLATION

PREPARING THE SUB-BASE

Excavate the area to obtain a stable, compact and level sub-grade.

- Lay a suitable geotextile membrane on top of the sub-grade to be loaded with sub-base material.
- Subject to type of sub-grade install your sub-base material and levelling layer to the depths required.
- Level and compact your base.

---

1 Install an Edging

A border should be installed to the perimeter edge using a suitable material. This not only defines the space but also protects the edge of the Nidagreen® panels.

2 Laying Nidagreen®

The panels are laid directly on top of the levelling layer. Lay in rows in a stretcher bond pattern. The large format, lightweight panels ensure fast installation.

3 Cutting the Panels

Nidagreen® panels are simple and quick to cut to size. Use a circular saw or handsaw to cut the panels to fit any angle or curve required.

4 Taping the Joints

Ensure all the Nidagreen® panels are securely joined together by taping up all internal joints with ADgreen jointing tape. which also prevents panels lifting.
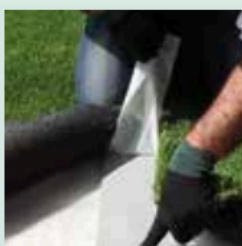

LAY ARTIFICIAL GRASS USING STANDARD INSTALLATION METHODS
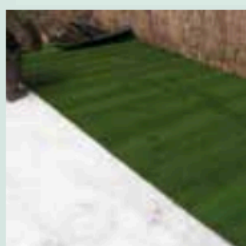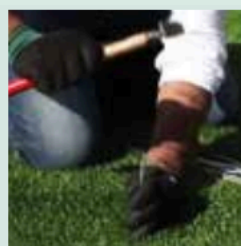
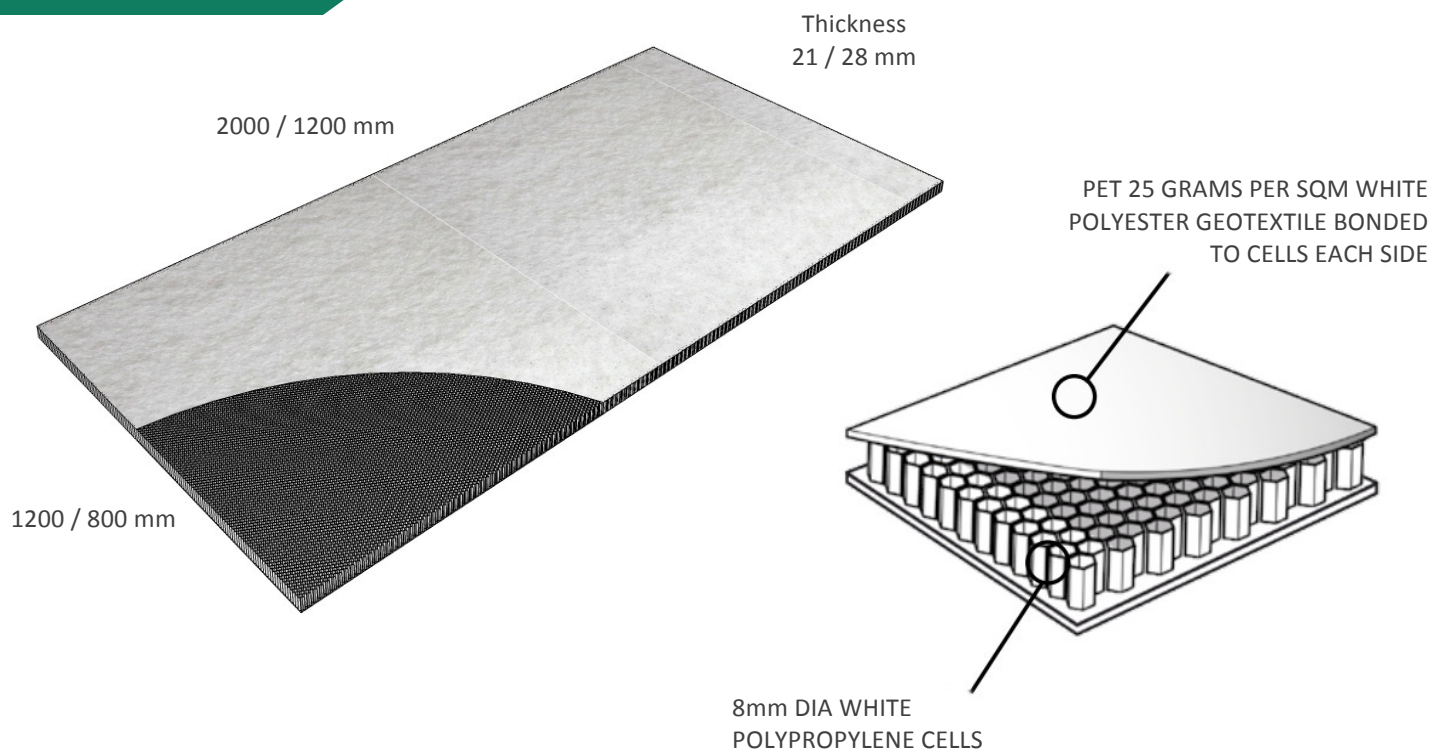Laying out Grass   Cutting to Fit   Seaming Joints   Fixing & Dressing
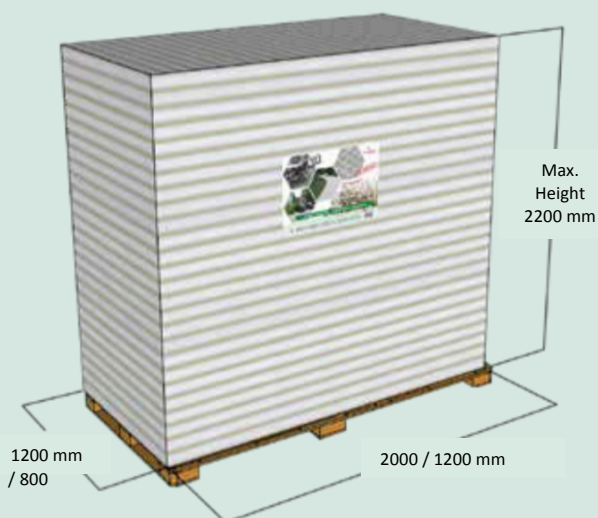
☑ ARTIFICIAL GRASS

Always choose a good quality artificial grass that has a natural appearance, good dimensional stability, UV resistance and comes with a guarantee from a reputable supplier.

BALI | British Association of Landscape Industries

nidaplast

For Artificial Grass Lawns & Roof Gardens

Sheet Specifications

Thickness
21 / 28 mm

2000 / 1200 mm

1200 / 800 mm

PET 25 GRAMS PER SQM WHITE POLYESTER GEOTEXTILE BONDED TO CELLS EACH SIDE

8mm DIA WHITE POLYPROPYLENE CELLS

Pallet Dimensions

Max. Height 2200 mm

1200 mm / 800

2000 / 1200 mm

Products	nidagreen® 221		nidagreen® 228	
	221 S	**221 L**	**228 S**	**228 L**
Pallet Quantity	100	100	70	70
Pallet Coverage	96 sqm	240 sqm	67.2 sqm	168 sqm
Pallet Weight	160 kg	400 kg	160 kg	400 kg
Pallet Height	Max. 2.2m (2200mm)			
Pallet Length	1.2 m	2 m	1.2 m	2 m
Pallet Width	0.8 m	1.2 m	0.8 m	1.2 m
Pallet Material	Wooden (non-returnable)			
Pallet Unloading	Tail Lift & Manual Pallet Truck			