Lawn reinforcement



NIDAGRASS

VEGETATED, SUITABLE FOR VEHICLE ACCESS

Permeable, natural surfaces

Reinforced, vegetated soils

Nidagrass solutions respond to today's greening challenge. They strengthen lawns and allow for vehicle access **whilst limiting rut formation**. Made of of high-quality raw materials, Nidagrass slabs are flexible and highly resistant.

These vegetated spaces facilitate rainwater infiltration and reduce runoff.

Nidagrass solutions allow users to arrange spaces in a responsible manner, whilst giving free rein to their imagination.

Stable, durable arrangements

The range of application of this product is ample, comprising driveways, car parks, firefighter vehicle access, aircraft runways, campsites, golf courses as well as slope reinforcements.

Slab RG035 is unique in that it can be laid directly on a grassed area whilst carrying out surface reinforcement work.

Complementary products



Marker RG035

Clip-on marking stud.



Parking MARKER NG040

Clip-on white marking stud to demarcate parking spaces.



Nidaplast - Solutions Guide / April 2026

NIDAGRASS
Lawn reinforcement

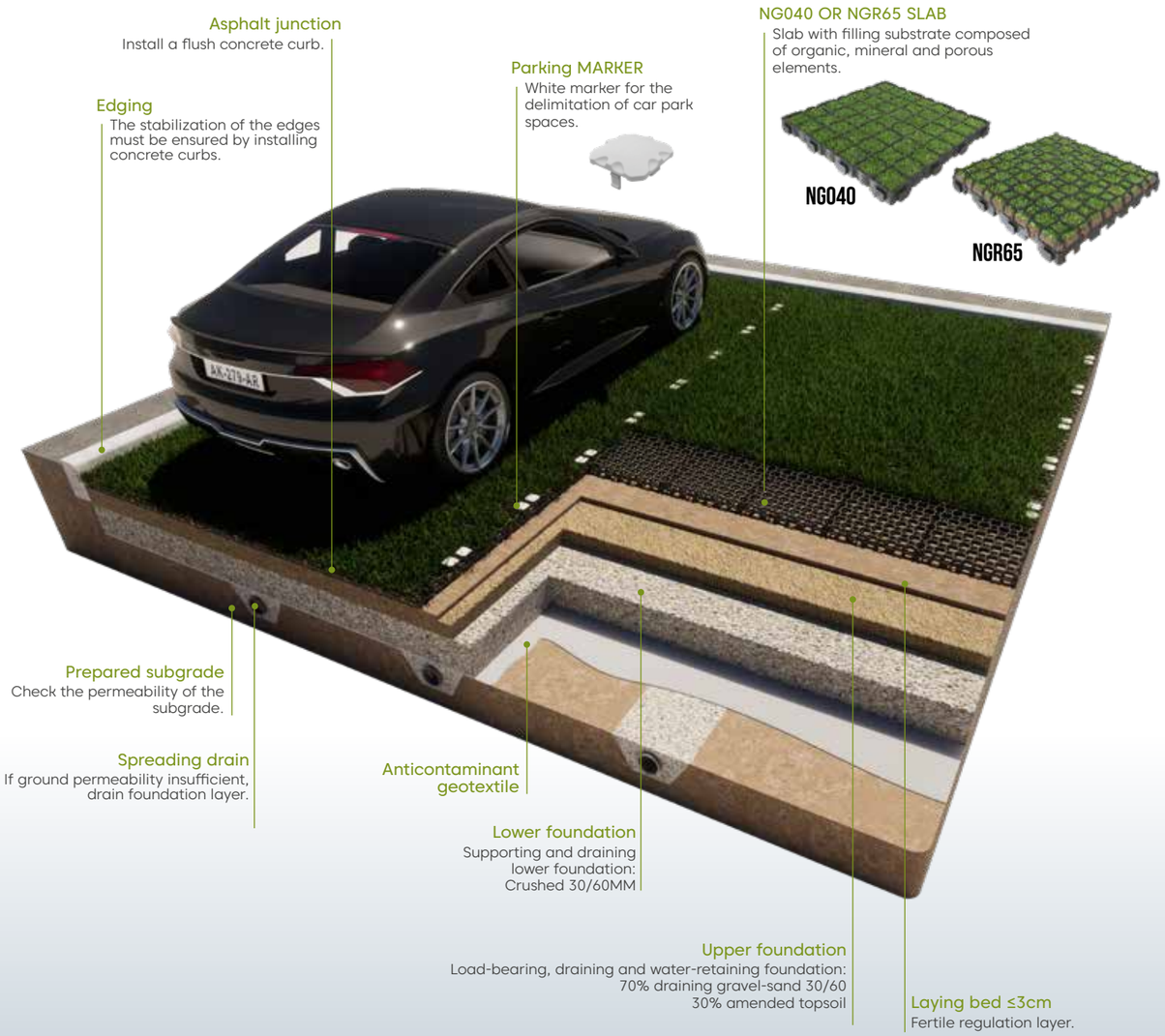
NIDAGRASS NG/NGR OPERATION PRINCIPLE

Nidagrass slabs are cellular structures intended to be filled with substrate and grass to revegetate surfaces such as parking areas or secondary carriageways with fairly low traffic.

They allow **water to infiltrate freely** while providing the grass surface with excellent resistance, as well as root system protection.

Slab car park marker makes it easy to delimit parking spaces. Its domed design means it is visible from above the lawn.

Pursuant to UNEP French professional standards - #P.C.4-R0 - **LAWN IMPLEMENTATION WORKS §3.7.1** Car parks with alveolar slabs:



A grassed area must be used moderately. It should be left free for a sufficient number of hours to receive light and water (parking limited to less than 8 hours per day) and should accommodate a rotation of no more than 4-6 vehicles per day.
The professional guidelines "Implementation of lawns (excluding sports fields)" No. P.C.4-R0 specify:
According to §3.7. Green roads and parking: ***"Green roads and parking areas have the advantage of reducing soil impermeabilization and the volume of runoff water to be managed. This is one of the solutions that allows water infiltration on-site... This type of solution should be reserved for roads and parking areas with relatively low traffic."***

IMPLEMENTATION NIDAGRASS NG/NGR

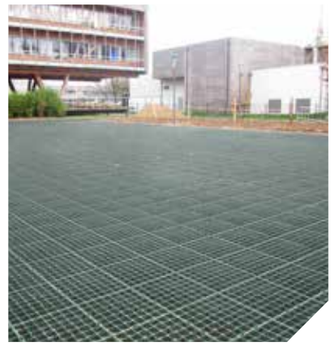
1 EARTHWORK AND FOUNDATION



2 LAYING BED



3 LAYING THE SLABS



Break up ground surface and check permeability of prepared subgrade. If permeability is insufficient, drainage is recommended for safety purposes. Lay anticontamination geotextile.
Depending on nature of prepared subgrade, fashion load-bearing and draining foundation layer. Finish the load-bearing foundation with a 20-cm soil/stone mix.
Compact in successive layers to obtain load-bearing capacity of approximately 50 MPa.
Adjust the foundation using a 3 cm bedding layer, to be ruler-drawn and compacted.
Start laying the slabs at one end of the site while positioning the fixing systems as you proceed.

4 FILLING SUBSTRATE



5 SEEDS AND WATERING



Fill slabs with filling substrate.
Sow lawn with suitable seeds at a rate of 25 to 30 g/m², then water. Use roller once grass slabs have been laid, so as to compact the lot.
It is advisable to only allow access to the worksite once lawn has bedded in and vegetation is deeply rooted.

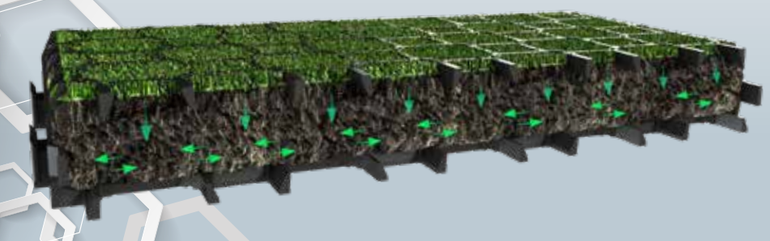
FOCUS USE AND MAINTENANCE



Standard green space maintenance measures, such as weeding, mowing and fertilising are required.
Do not use scarifiers.

FOCUS NIDAGRASS NGR65

The unique structure of the NGR65 slab, with its open cells, enables a three-dimensional development of the root system.

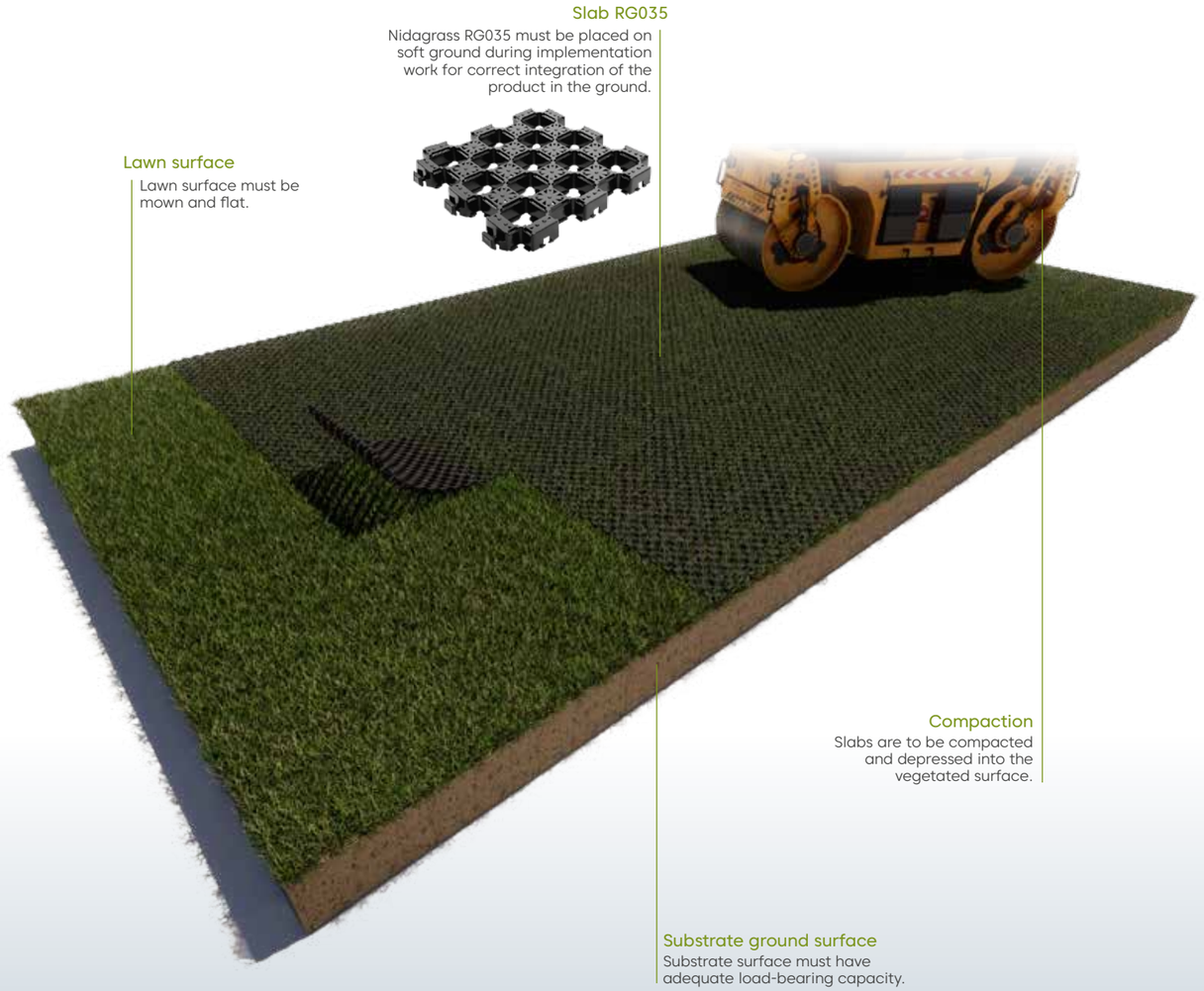


NIDAGRASS RG035 OPERATION PRINCIPLE

Nidagrass RG035 slabs are surface reinforcement grids intended to be laid directly on existing lawns.

Implementing RG035 slabs is **quick and easy**. Nidagrass slabs are designed to sink down to 3 cm in the grassed surface. They are to be integrated into the soil by compaction.

Their geometry has been specially designed to make lawns easier to circulate on when wet. Specifically, they render lawns suitable for occasional vehicular access, prevent slipping and increase pedestrian convenience.



A grassed area must be used moderately. It should be left free for a sufficient number of hours to receive light and water (parking limited to less than 8 hours per day) and should accommodate a rotation of no more than 4-6 vehicles per day.
The professional guidelines “Implementation of lawns (excluding sports fields)” No. P.C.4-R0 specify:
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IMPLEMENTATION NIDAGRASS RG035

1A ON EXISTING LAWN SURFACE



1B ON GRASS-FREE SURFACES



2 LAYING THE PLATES



1A - If grassy surface is already flat and drains adequately, simply mow grass as short as possible, check soil substrate bearing capacity, and level minor soil corrugations using topsoil or a mixture of sand and earth.

1B - If surface requires prior preparation, check ground bearing capacity, level so surface is flatter, then sow grass before laying plates.

Lawn must be present before slabs are installed to ensure good anchoring and installation stability. Plates are to be laid directly on the existing ground surface. Only install if soil is soft enough, so that product sets well into the ground.

3 MARKING



4 COMPACTION



Position marking pads before compacting.
Pack slabs with a steamroller to press them into the grassy surface.

FOCUS USE AND MAINTENANCE



Maintenance is similar to that of a traditional grassed surface, requiring only one steamroller use per year, and annual fertilising.
With grass growing through the perforations, the plates' stability improves over time, thus engendering a rooting process.

NIDAGRASS ADAPTS TO ALL YOUR PROJECTS.

UNIVERSITY CAR PARK





750M² - NANTES

To preserve the wooded aspect of the campus, a car park redevelopment project at Nantes University was performed using 750 m² of Nidagrass. Thick walls ensured the significant load bearing capacity required of this HGV parking area.

VEGETATED TRAMWAY LANES





2,000M² - VALENCIENNES

Vegetated areas along tramway tracks may be damaged by occasional vehicle traffic. Nidagrass slabs reinforce and consolidate these spaces, particularly in wet periods, thus preventing the formation of ruts and mud.

OUR SOD FARMS





PRE-VEGETATED SLABS

Our slabs, pre-sown by our partners in regional sod farms, offer an immediate aesthetic result and allow for faster facility commissioning.



PERMEABLE, STABLE GROUND SURFACES - Lawn reinforcement

NIDAGRASS ADAPTS TO ALL YOUR PROJECTS.

CEMETERY GREENING





1 000 M² - RÉGUISHEIM

For this beautiful 1,000 m² greening project using hydromulching at the Réguisheim cemetery, the NG040 slab was used as a support for biodiversity preservation. A fast and durable solution to enhance the living environment, improve user well-being, and reduce maintenance efforts and costs for municipalities responsible for upkeep.

VEGETATED AERODROME RUNWAY





6,000M² - GERMANY

RG035 slabs are ideal for reinforcing vegetated aerodrome runways. Runways remain usable even in difficult weather conditions. They improve the convenience of vegetated runways by allowing for shorter aircraft take-off and landing.

CAR PARK EXTENSION





2,500M² - UK

When a vegetated space is required for occasional traffic, slab RG035 reinforces the surface lawn cover. This makes the surface suitable for vehicle traffic, avoids slippages and increases walking comfort in wet conditions.

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TECHNICAL DATA

NIDAGRASS

SPECIFICATIONS

Properties		RG035	NG040	NGR65	STANDARDS
Material		PE/PP	PE - 100% recycled		
Mass per unit area (kg/m²)		6	5.20	8	ISO 845
Length (mm)		302	500		ISO 1923
Width (mm)		302	500		
Thickness (mm)	Slab	37	40	65	
	Walls	± 3	3 to 5.5	± 6	
Cell size (mm)		± 55	± 65	33/53	
Colour		Black	Green or black	Black	
Anchoring points		3 per side / 9 per metre	4 per side / 8 per metre		
Resistance to chemical agents		Excellent resistance to water and most acids, bases and salt solutions			
UV-resistant		Anti-UV treatment			
Applications*		Areas for pedestrians, cyclists and light motorcyclists			
		Light vehicle driveways			
		Light vehicle parking areas			
		Fire vehicle access (please consult us)			

*Applications are specified in the case of a filled slab

NOTE: Values indicated in this sheet may be used as guidelines for product use; they should be considered neither as specification limits, nor as guarantees. In addition, product application, use and/or processing are beyond our control and, consequently, are the exclusive user and/or processor responsibility.

FOCUS A vegetated space is for moderate use. It must be vacated for a sufficient number of hours to receive sufficient light and water (vehicles to be parked less than 8 hours/day) and undergo occupation equivalent to 4-6 vehicles/day maximum.

Product name	Code article	Height (mm)	Dimensions (mm)	Units per package	Type of packaging
SLAB NG040 GREEN/H40MM/500X500MM/DUAL	13167	40	500 x 500	2 x 132	DOUBLE PALLET 1,200 x 1,000
SLAB NG040 BLACK/H40MM/500X500MM/DUAL	13166	40			
SLAB NG040 GREY/H40MM/500X500MM/DUAL	13117	40			
SLAB NG040 BROWN/H40MM/500X500MM/DUAL	13177	40			
PARKING MARKER NG040 WHITE/75X75MM	12271	45	75 x 75	350	BOX 600 x 400
SLAB NGR65/H65MM/500X500MM/DUAL	13079	65	500 x 500	2 x 80	DOUBLE PALLET 1,200 x 1,000
PARKING MARKER NGR65 WHITE/70X70MM	13025	35	70 x 70	400	BOX 600 x 400
SLAB RG035 BLACK/H35MM/302X302MM	11974	35	302 x 302	876	PALLET 1,220 x 920
BIG MARKER RG035 WHITE	11975	40	330 x 330	11	BOX
SMALL MARKER RG035 WHITE	11976	40	56 x 56	1,000	BAG
SMALL MARKER RG035 YELLOW	11977	40		1,000	



TECHNICAL DATA

NIDAGRASS

SLAB NG040 PACKAGING



NG040 SLAB		
COUNT PER DOUBLE PALLET	2 x 132	
M² / DOUBLE PALLET	2 X 33	
DOUBLE PALLET WEIGHT (KG)	360	
PACKAGE DIMENSIONS	L	1,200MM
	W	1,000MM
	H	2,540MM
PACKAGING DESCRIPTION	SLABS, CLIPPED INTO LOTS OF 4 ANGLE IRONS AND STRAPPING PALLET LABEL DELIVERED ON TWO DISPOSABLE WOODEN PALLETS	

SLAB NGR65 PACKAGING



NGR65 SLAB		
COUNT PER DOUBLE PALLET	2 x 80	
M² / DOUBLE PALLET	2 x 20	
DOUBLE PALLET WEIGHT (KG)	335	
PACKAGE DIMENSIONS	L	1,200
	W	1,000
	H	2,510
PACKAGING DESCRIPTION	SLABS, CLIPPED INTO LOTS OF 4 ANGLE IRONS AND STRAPPING PALLET LABEL DELIVERED ON TWO DISPOSABLE WOODEN PALLETS	

SLAB RG035 PACKAGING



RG035 SLAB		
COUNT PER PALLET	876	
M² / PALLET	80	
PALLET WEIGHT (KG)	480	
PACKAGE DIMENSIONS	L	1,220 MM
	W	920 MM
	H	2,340 MM
PACKAGING DESCRIPTION	SLABS, CLIPPED INTO LOTS OF 12 PLASTIC WRAP DELIVERED ON DISPOSABLE WOODEN PALLET	

PARKING MARKER PACKAGING



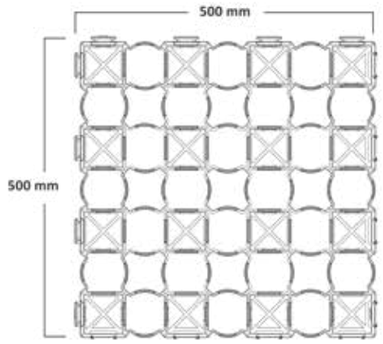
PARKING MARKER		BIG MARKER RG035	SMALL MARKER RG035	MARKER NG040	MARKER NGR65
PACKAGE DIMENSIONS	L	340 MM	400 MM	600 MM	
	W	340 MM	400 MM	400 MM	
	H	340 MM	650 MM	310 MM	
PACKAGING DESCRIPTION		BOX	BAG	BOX	
COUNT PER BOX		11	1,000	350	400
BOX WEIGHT (KG)		3,6	25	14	16



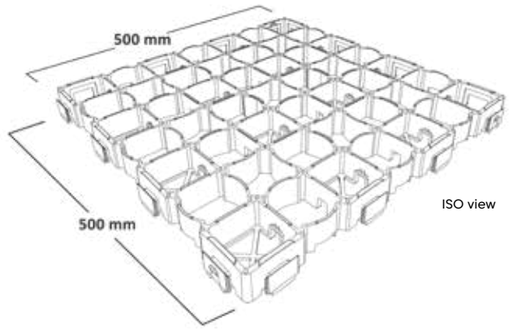
TECHNICAL DATA

NIDAGRASS NG040/NGR65

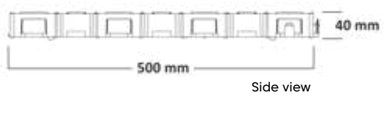
NG040 SLAB DIMENSIONAL DIAGRAMS



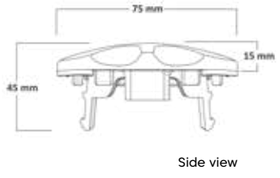
Top view



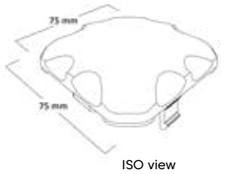
ISO view



Side view

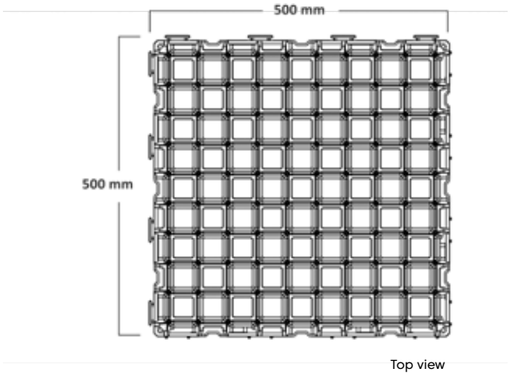


Side view

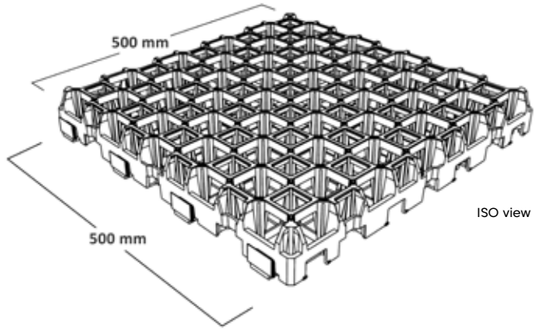


ISO view

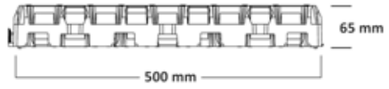
NGR65 SLAB DIMENSIONAL DIAGRAMS



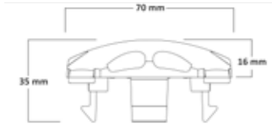
Top view



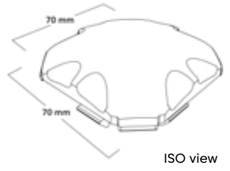
ISO view



Side view



Side view

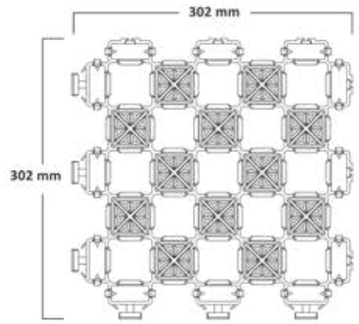


ISO view

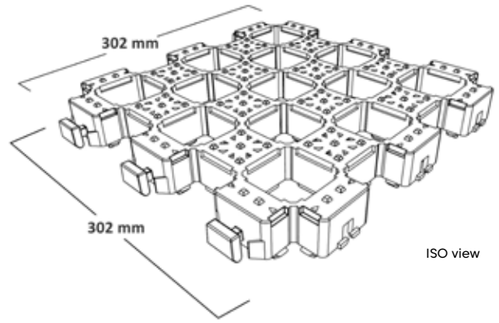
TECHNICAL DATA

NIDAGRASS RG035

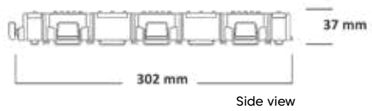
RG035 SLAB DIMENSIONAL DIAGRAMS



Top view



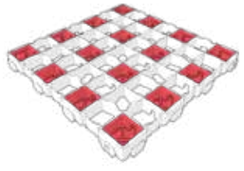
ISO view

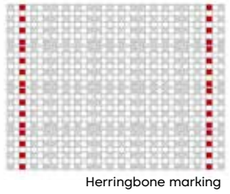


Side view

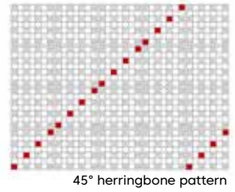
POSITIONING DIAGRAMS - PARKING MARKER

NG040 PARKING MARKER



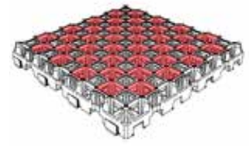


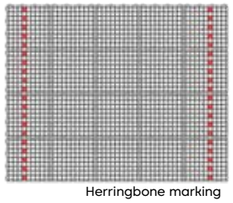
Herringbone marking



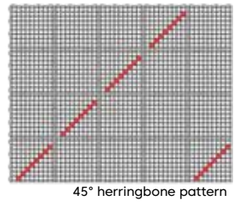
45° herringbone pattern

NGR65 PARKING MARKER



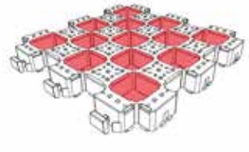


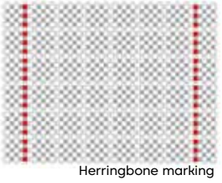
Herringbone marking



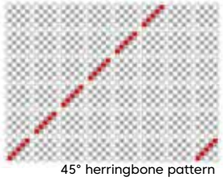
45° herringbone pattern

RG035 PARKING MARKER





Herringbone marking



45° herringbone pattern