

Gravel stabilisation solutions landscaping

nida gravel®

LANDSCAPE APPLICATIONS

An ideal alternative to paved or bitumen surfaces

Nidagravel gravel stabilisers permit rainwater infiltration as close as possible to its source, thus allowing for a harmonious blending of mineral and vegetal in the local environment, through the selection of gravel from local quarries.

Harmonious landscape integration

Nidagravel is available in five colours so as to blend with different types of gravel.

Our range of available thicknesses ensures suitability to construction sites' constraints, and allows users to create permeable, durable outdoor arrangements that are suitable for vehicular traffic, such as courtyards, paths, alleys, parking spaces and terraces.

A simple, accessible implementation solution

For both professionals delivering large surfaces with our large plates, or private individuals looking for easily transportable plates, Nidagravel offers fast, simple, fixation-free implementation for all users.

Our slabs are easy to cut to dimensions, so users can adjust their size and shape according to their specific needs. To ensure optimal gravel stability, geotextile is heat-sealed to the under-slab. It weighs the plate down to the ground, holds the gravel in place, and limits weed growth.

Complementary products



Nidaborder

A full range of borders to delimit spaces.



Marker Premium

Brushed stainless steel parking studs for sealing in place.



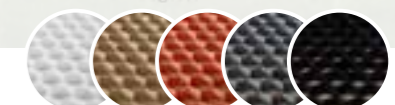
SPECIFICATIONS

- Thin walls for harmonious landscape integration
- 100% permeable
- Suitable for vehicular traffic with covering layer
- Fixation-free installation system
- Durable, recycled, and recyclable product

RANGE

- 129 XS: 800x800mm
- 129-139: 1,200x800mm
- 129XL-139XL: 1,600x1,200mm
- 130-140: 2,400x1,200mm

NIDAGRAVEL
Gravel stabilisation for landscaped settings

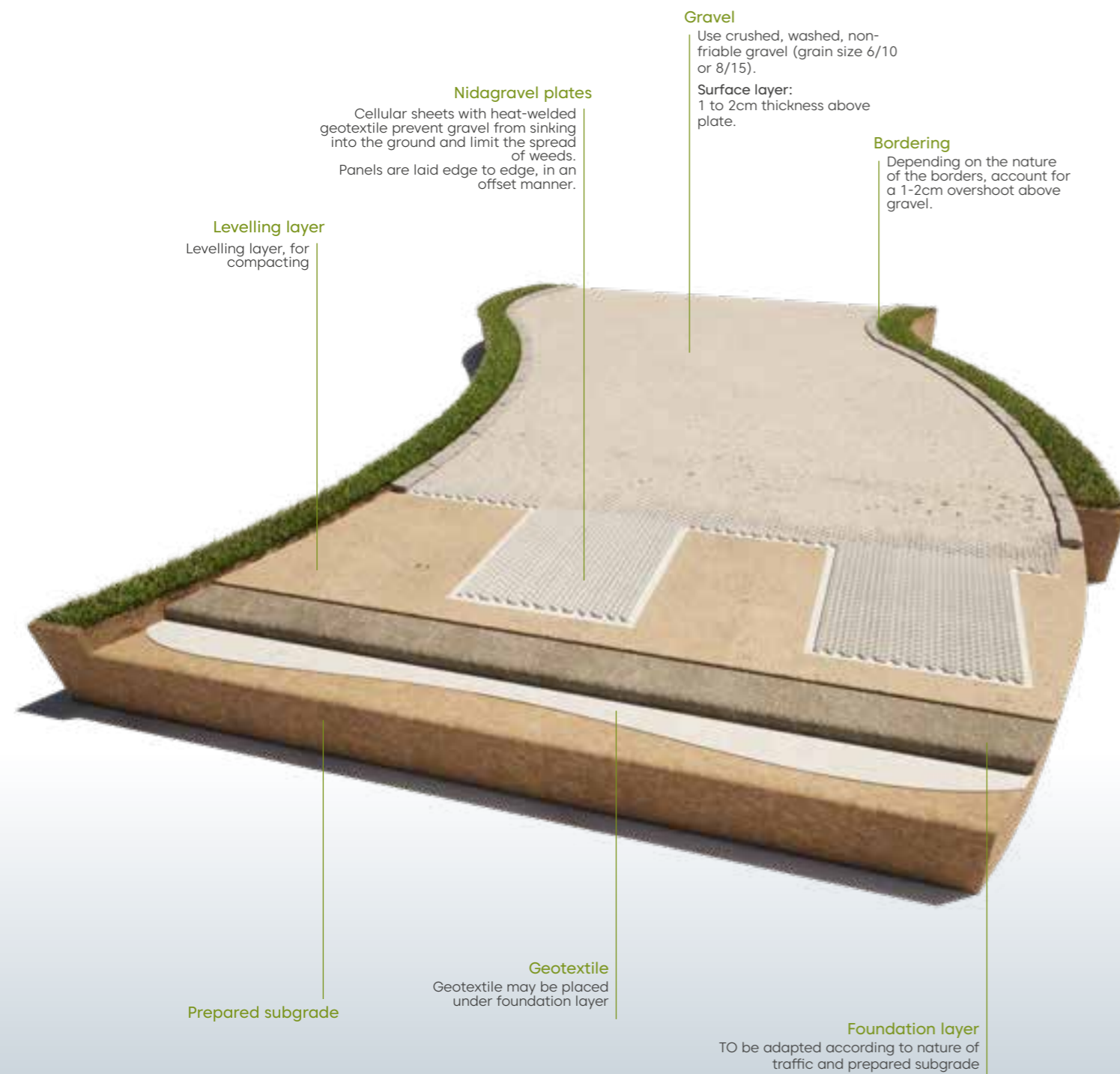


nida gravel[®] OPERATION PRINCIPLE

Nida gravel slabs, filled and covered with gravel, are used for creating stable, permeable surfaces, according to various arrangement needs.

Used in pedestrian sections, terraces or disabled access, Nida gravel provides significant walking comfort by eliminating the sensation of loose surfaces.

In addition, Nida gravel is an alternative to bitumen and paving, and is suitable for the construction of **driveways and parking spaces**.



SEE PROJECT VIDEOS

IMPLEMENTATION nida gravel[®]

1 EARTHWORK



2 FOUNDATION



3 LEVELLING LAYER AND BORDERING



Plan earthworks based on final application, then lay geotextile before foundation layer. Cover foundation layer with a levelling layer, then carefully compact both layers. Install borders, allowing 1 to 2cm to protrude above top gravel level.

4 LAYING THE PLATES



5 FILLING



6 FINISHES



Lay Nida gravel slabs edge to edge in an offset manner. Arrange geotextile protruding on both sides under adjacent slab. Mechanical anchoring is not required. Fill plates with gravel and cover up to a depth of 1 to 2cm. Level and compact if necessary.

FOCUS USE AND APPLICATIONS

Turning areas

For turning areas, it is preferable to opt for a mix of materials when necessary.



Slope

In vehicular access areas, we do not recommend using Nida gravel when slope is greater than 10%.



Traffic

For a high-traffic car park, it is preferable to use **Nida gravel NG040**.



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nida gravel[®] ADAPTS TO ALL YOUR PROJECTS.

TIDINESS STRIP



DETACHED HOUSE - 150M²

Designed to be placed at the bottom of walls, Nida gravel small plates' dimensions are suitable in designing gravel strips, also known as tidiness strips, around residential dwellings. These strips prevent plastering or bay windows from getting splashed in rainy conditions, and also facilitate movement around the property.



DRIVEWAY



CASTLE - 750M²

Used in the design of driveways and pedestrian walkways at this castle, Nida gravel slabs were chosen to arrange these large surfaces. This solution is an obvious alternative to bitumen or paving, as it preserves a building's historic character while promoting water infiltration.



ACCESS PATH AND LANDSCAPED WALKWAY



RURAL LODGE - 575M²

For this rural lodge development project, the use of gravel was essential to maintain harmony between the building and the walkways. Thanks to Nida gravel, walking, cycling, wheelchair access or pushing a stroller are not a problem. Soft ground surfaces, unsightly ruts, annoying puddles and potholes are just a bad memory.



nida gravel[®] ADAPTS TO ALL YOUR PROJECTS.

PEDESTRIAN WALKWAY WITH DISABLED ACCESS



HISTORICAL MONUMENT OPEN TO THE PUBLIC - 2,500M²

A registered historical monument, Villa Cavrois welcomes many visitors wishing to discover both the house and its gardens lined with gravel alleys. The garden walkways stabilised with Nida gravel are suitable for vehicle traffic and accessible for people with reduced mobility.

DRIVEWAY AND GARAGE ENTRANCE



DETACHED HOUSE - 250M²

Nida gravel gravel stabilisers are ideal when designing driveways and garage accesses for detached houses. They preserve ground permeability and provide an attractive, natural appearance.

RESTAURANT



TERRACE - 280M²

While guaranteeing permeable ground surfaces, thus preventing the formation of puddles, Nida gravel offers a stable surface to install furniture and allow public access to a venue. Unlike tile, gravel does not crack under the effect of frost and does not stain. Its maintenance is easy and of limited scope.



SEE PROJECT VIDEOS



DOWNLOAD DOCUMENTATION

TECHNICAL DATA



SPECIFICATIONS

Properties		129XS	129	129+	139+	130	140	STANDARDS
Material		PP and anti-UV high-performance						
Mass per unit area (kg/m²)		1.30	1.20	1.60	2.10	1.34	1.80	ISO 845
Length (mm)		800	1,200			2,400		ISO 1923
Width (mm)	Standard format	800				1,200		
	XL Format	-	1,600			-		
Thickness (mm)	Panel	29		30	40	30	40	
	Walls	± 1mm						
Cell size (mm)		± 56	± 50					
Colour		White	White, beige, pink, grey, black					
Heat-sealed nonwoven	Side 1	PET 45g/m²						NFEN 29 073-1
	Side 2	Without						
Resistance to chemical agents		Excellent resistance to water and most acids, bases and salt solutions						
UV-resistant		Anti-UV treatment						
Grade stability for carriageways		Up to 10% slope						

*Pink, grey and beige Nidagravel are available on request with a minimum order quantity (contact us)

Compression resistance filled with gravel*	up to 400 t/m²		ISO 844
Applications**	Areas for pedestrians, cyclists and light motorcyclists		ISO 124
	Private driveways - Light vehicles		
	Private parking spaces - Light vehicles		

*varies depending on nature of filling material
**Applications are specified pursuant to standards requirements mentioned, and 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.

Product name	Code article	Height (mm)	Dimensions (mm)	Units per package	Type of packaging
NIDAGRAVEL 129+ WHITE/H30MM/1200X800MM	11651	30	1,200 x 800	74	DUAL PALLET 1,200 X 800
NIDAGRAVEL 129+ GREY/H30MM/1200X800MM	11833	30		74	
NIDAGRAVEL 129+ BLACK/H30MM/1200X800MM	11726	30		74	
NIDAGRAVEL 129+ XL WHITE/H30MM/1600X1200MM	11652	30	1,600 x 1,200	38	
NIDAGRAVEL 139+ WHITE/H40MM/1200X800MM	11553	40	1,200 x 800	56	DUAL PALLET 1,200 X 800
NIDAGRAVEL 139+ BLACK/H40MM/1200X800MM	11554	40		56	
NIDAGRAVEL 139+ XL WHITE/H40MM/1600X1200MM	11558	40	1,600 x 1,200	28	
NIDAGRAVEL 129 WHITE/H29MM/1200X800MM	10909	29	1,200 x 800	74	DUAL PALLET 1,200 X 800
NIDAGRAVEL 129 BLACK/H29MM/1200X800MM	10910	29		74	
NIDAGRAVEL 129 PINK/H29MM/1200X800MM	10889	29		74	
NIDAGRAVEL 129 BEIGE/H29MM/1200X800MM	10888	29		74	
NIDAGRAVEL 129 GREY/H29MM/1200X800MM	11207	29		74	
NIDAGRAVEL 130 WHITE/H30MM/2400X1200MM	10914	30	2,400 x 1,200	78	PALLET 2,400 x 1,200
NIDAGRAVEL 130 BLACK/H30MM/2400X1200MM	10915	30		78	
NIDAGRAVEL 130 WHITE MINI MAXI/H30MM/2400X1200MM	10917	30		78	
NIDAGRAVEL 140 WHITE/H40MM/2400X1200MM	10920	40	2,400 x 1,200	58	PALLET 2,400 x 1,200
NIDAGRAVEL 140 BLACK/H40MM/2400X1200MM	10921	40		58	
NIDAGRAVEL 140 WHITE MINI MAXI/H40MM/2400X1200MM	10924	40		58	
NIDAGRAVEL 129 XS WHITE/H29MM/800X800MM	11559	29	800 x 800	114	DUAL PALLET 1200x800
PREMIUM STAINLESS STEEL MARKER/H10MM/100X100MM	10890	10	100 x 100	50	BOX

TECHNICAL DATA



NIDAGRAVEL 129-139 PACKAGING



PRODUCTS	129	129+	129+XL	139+	139+XL
COUNT PER PALLET	2x37	2x37	2x19	2x28	2x14
M² / PALLET	2x35.52	2x35.52	2x36.48	2x26.88	2x26.88
PALLET WEIGHT (KG)	2x53	2x57	2x60	2x63	2x63
PALLET HEIGHT (MM)	2,446	2,520	2,580	2,540	2,540
PACKAGE DIMENSIONS	L		1,200MM		
	W		800MM		
PACKAGING DESCRIPTION	PROTECTIVE COVER STRAPPING ANGLE IRON FOR MARKETING PURPOSES DISPOSABLE WOODEN DUAL PALLET				

NIDAGRAVEL 130-140 PACKAGING



PRODUCTS	130	140
COUNT PER PALLET	78	58
M² / PALLET	224.64	167.04
PALLET WEIGHT (KG)	325	321
PALLET HEIGHT (MM)	2,490	2,470
PACKAGE DIMENSIONS	L	2,400MM
	W	1,200MM
PACKAGING DESCRIPTION	4 ANGLE IRONS PLASTIC WRAP PALLET LABEL DISPOSABLE WOODEN PALLET	

NIDAGRAVEL 129XS PACKAGING

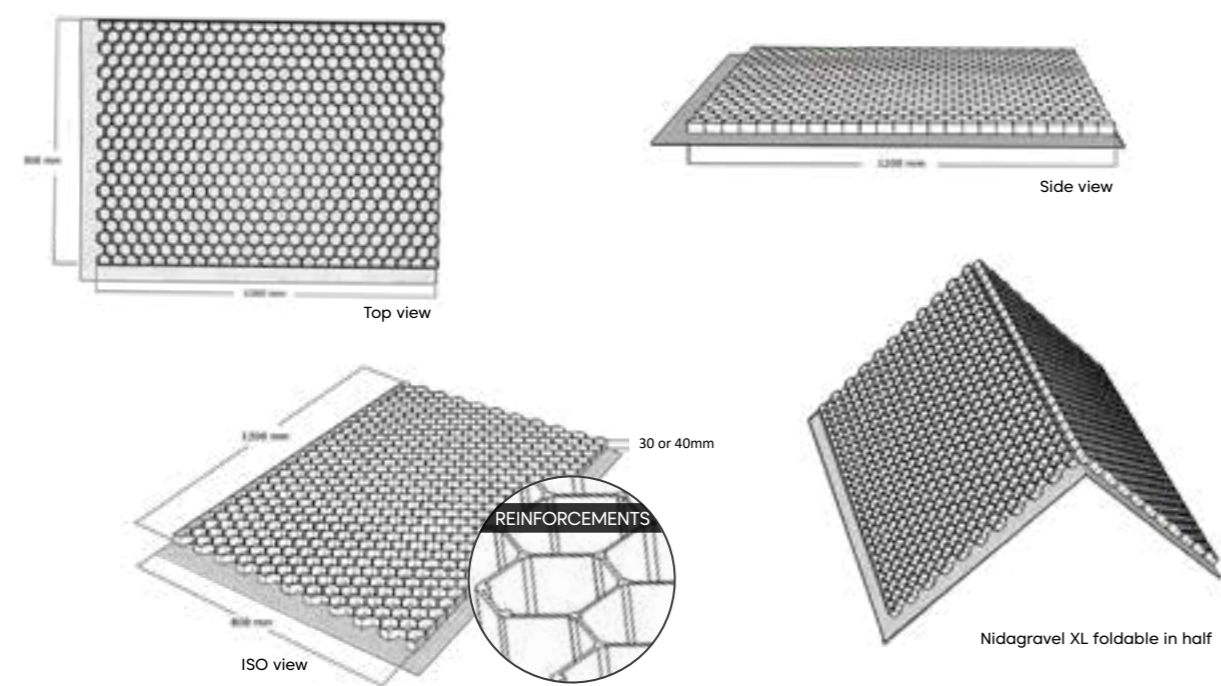


PRODUCT		129 XS
COUNT PER PALLET		2 x 57
M² / PALLET		2 x 36.48
PALLET WEIGHT (KG)		2 x 60
PALLET HEIGHT (MM)		2,504
PACKAGE DIMENSIONS	L	1,200MM
	W	800MM
PACKAGING DESCRIPTION		PROTECTIVE COVER STRAPPING ANGLE IRON FOR MARKETING PURPOSES DISPOSABLE WOODEN DUAL PALLET

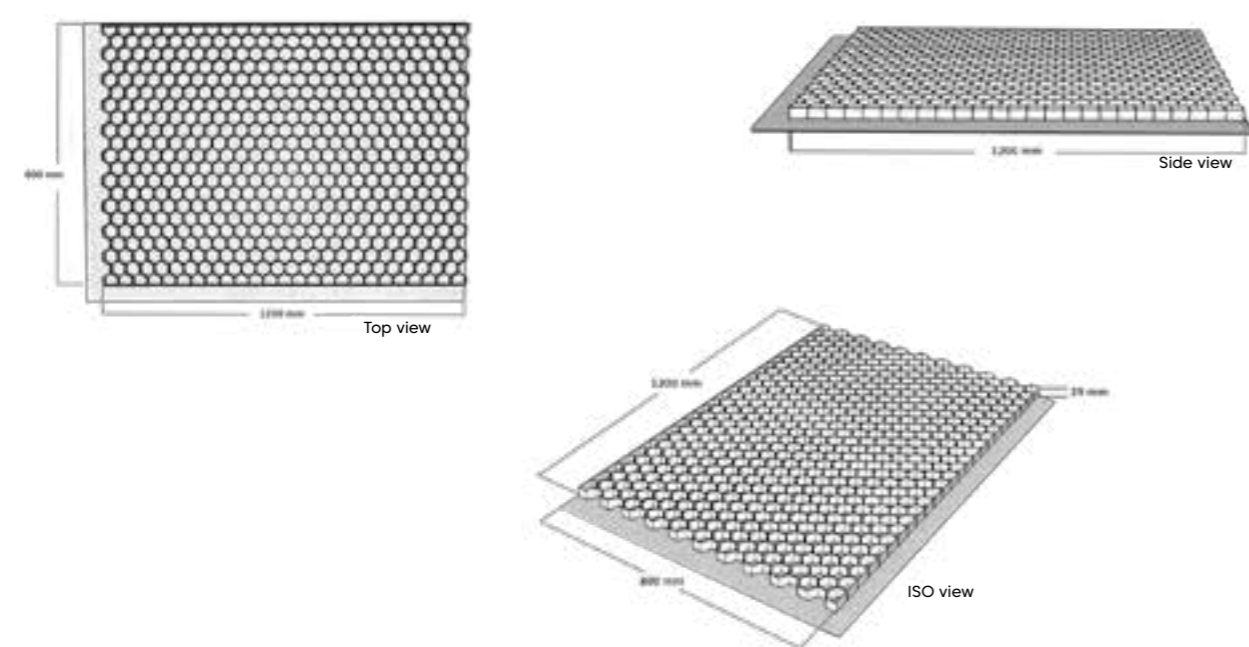
STABLE, PERMEABLE GROUND SURFACES

TECHNICAL DATA
nida gravel®

NIDAGRAVEL 129+ / 139+ DIMENSIONAL DIAGRAMS



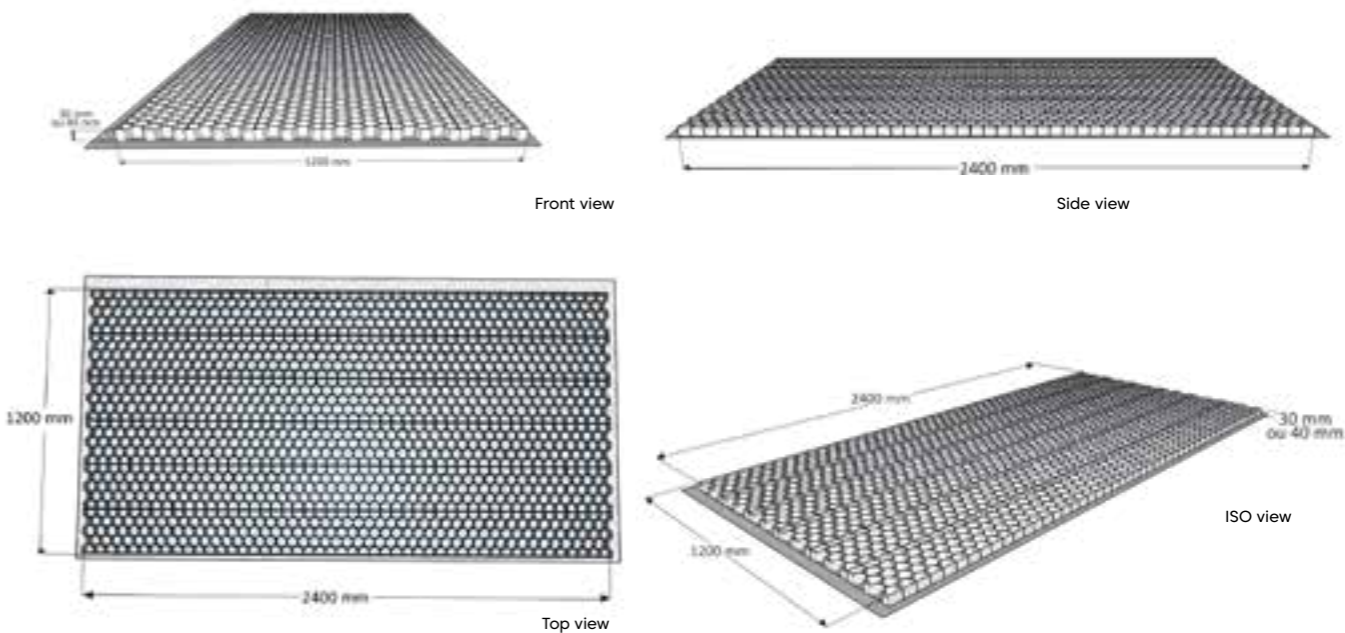
NIDAGRAVEL 129 DIMENSIONAL DIAGRAMS



STABLE, PERMEABLE GROUND SURFACES - Gravel stabilisation for landscaped settings

TECHNICAL DATA
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NIDAGRAVEL 130 / 140 DIMENSIONAL DIAGRAMS



NIDAGRAVEL 129XS DIMENSIONAL DIAGRAMS

