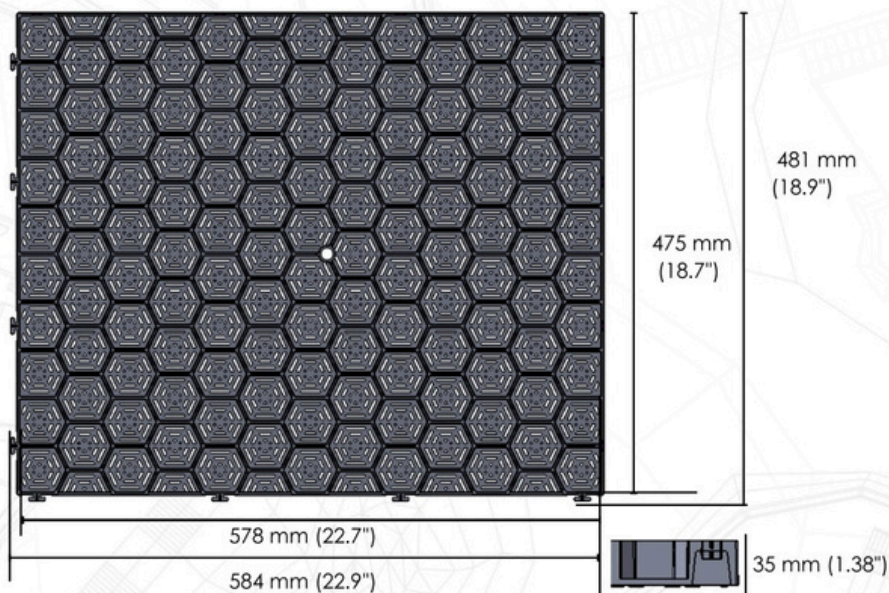




CORE LANDSCAPE PRODUCTS

CANA GRIDTM Medium



TECHNICAL SPECIFICATIONS

Material	Polypropylene + Recycled Ocean Plastics
Colour	Light Grey
Grid Dimensions (in)	22.7\" x 18.7\" x 1.38\" (578mm x 475mm x 35mm)
Grid Weight	2.5 lbs (1.13 kg)
Cell Shape	Honeycomb
Cell Dimensions	2.0\" x 1.38\" (50mm x 35mm)
Cell Wall Thickness	0.09\" (2.3mm)
Crush Resistance (unfilled)	>18,580 lbs/ft ² (Over 100 tons/m ²)
Load Bearing Capacity (Filled)	>42,735 lb/ft ² (Over 230 tons/m ²)
Temperature Range	-52° C to +90° C
Chemical Resistance	Excellent
UV Resistance	Excellent
Suggested Aggregate Size	0.2\" - 0.6\" (5-15mm)
Geo-Textile (optional)	White, non-woven, non-rotting, 50gsm

SUITABLE FOR

Residential Pathways, Patios, Shed Floors, Parking Pads, Garden Areas
Commercial Foot Traffic, & Bike Lanes

CERTIFICATES/COMPLIANTS

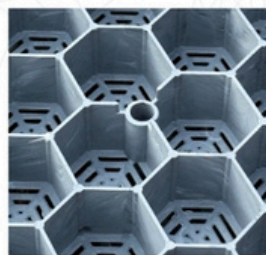
LEED: Used in SUDS and LEED Compliant Porous

SGS: ASTM D1621-04A (compressive test standard)

ADA Compliant: Used in ADA Disability Compliant Surfaces for Pedestrians, Bicycles, & Wheelchair Traffic

Environmentally Approved: Maryland Department of the Environment, Montgomery County, and City of Victoria, British Columbia

FEATURES



Spike holes for additional stability



Easy DIY Connectors



info@corelandscapeproducts.ca



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CORE CANA GRID MEDIUM INSTALL GUIDE SUMMARY

Base Preparation

Excavate to the combined depth of the base, the grid, and the overfill. For example, a 3-inch base, 1.37-inch grid, and 1/2-inch overfill require approximately 5 inches of excavation.



Base

Lay and compact the road crush (commercial pathways) or sand (patios) according to the specified detail. Install any required edging - for example, brick edging or CORE garden Board - where needed.



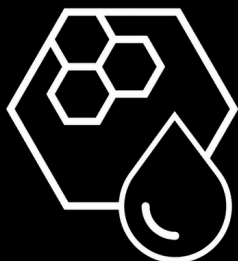
Lay CORE Gravel Pavers

Begin at a straight edge if available. Join the grids and secure them with a soft mallet. Periodically walk over the laid grids to confirm there are no underlying divots or voids. Use 8-12" nails for slopes to secure grids.



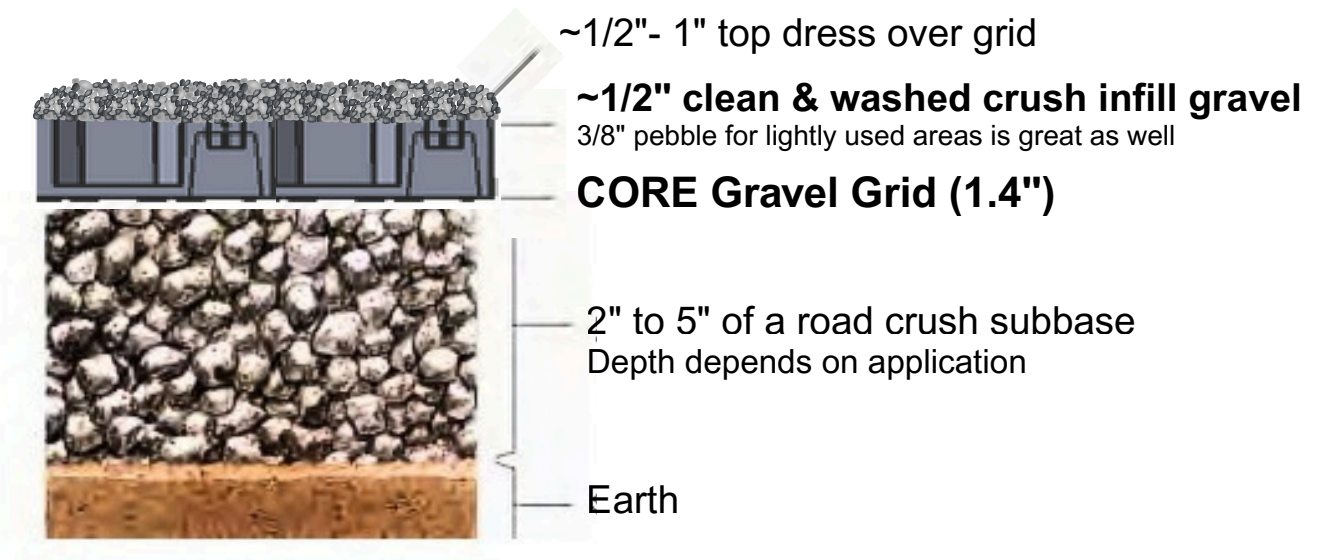
Fill CORE Gravel Pavers

Use 1/2 inch clear crushed aggregate to fill the grids - Round 3/8 inch for areas with small dogs or bare feet. Apply a 1/2-inch overfill to fully cover the foundation. On larger areas, lightly compact the overfill with a plate compactor, then reapply a top layer as required.



CORE LANDSCAPE
PRODUCTS

CORE CANA GRID PROFILE



Additional information:

- Small residential applications can use ~1" for the sub base
- Commercial application require 2-3" of compacted road crush as the sub base
- Do not fill our grids with fines or dirty gravel.



Cana Grid Medium

Overview

Cana Grid Medium is designed for:

- Residential patios and pathways
- Medium-use commercial patios
- Wheelchairs, pedestrian traffic, and **light vehicle** use when installed over a prepared base

Light grey panels manufactured from **reclaimed ocean plastics**.

Panels feature a **permeable plastic mesh bottom** (not geotextile) for drainage and stability.

Panel Specifications

Property	Measurement
Size	580 × 480 × 35 mm (22.9 × 18.9 × 1.4 in)
Material	Recycled ocean plastic (polypropylene mix)
Base	Permeable plastic mesh (permeable)
Uses	Patios, pathways, pedestrian, light occasional vehicles
Recommended infill	12 mm (½ in) clean angular stone
Alternate infill	10 mm (⅜ in) clean pebble for softer, low-traffic surfaces

Infill Requirements

- **12 mm (½ in)** clean angular stone is recommended
- **10 mm (⅜ in)** clean pebbles are suitable for **low-traffic** areas
- Maximum stone size: **12 mm (½ in)**
- Minimum stone size: **9 mm (⅜ in)**

Ensure stone fully covers the cell walls before loading.

Installation Guide

1. Site Preparation

- Excavate to allow:
 - **35 mm** panel thickness
 - **10 mm** top dressing layer
- Total allowance: **45 mm (1.8 in)**

Shape sub-soil so water flows **away from structures**.

2. Base Construction

- For most patios and pathways:
 - **50 mm (2 in)** of **20 mm (¾ in)** road crush. Backyard patios can do 1" of sand.
- Larger or higher-use areas may require more
- Maximum recommended base: **150 mm (6 in)** depending on site conditions

Compact base thoroughly using a vibratory plate, compactor, or roller.

3. Panel Placement

- Place panels plastic **mesh face down**
- Install:
 - Side-by-side
- Install the first row against a fixed edge if possible

Cutting:

- Aviation shears or fine-toothed blade
- Wear gloves

Top of cells should sit **10 mm (⅜ in)** below final grade or adjacent surfaces.

Use 8-12" spikes if slope is significant (20 degrees).

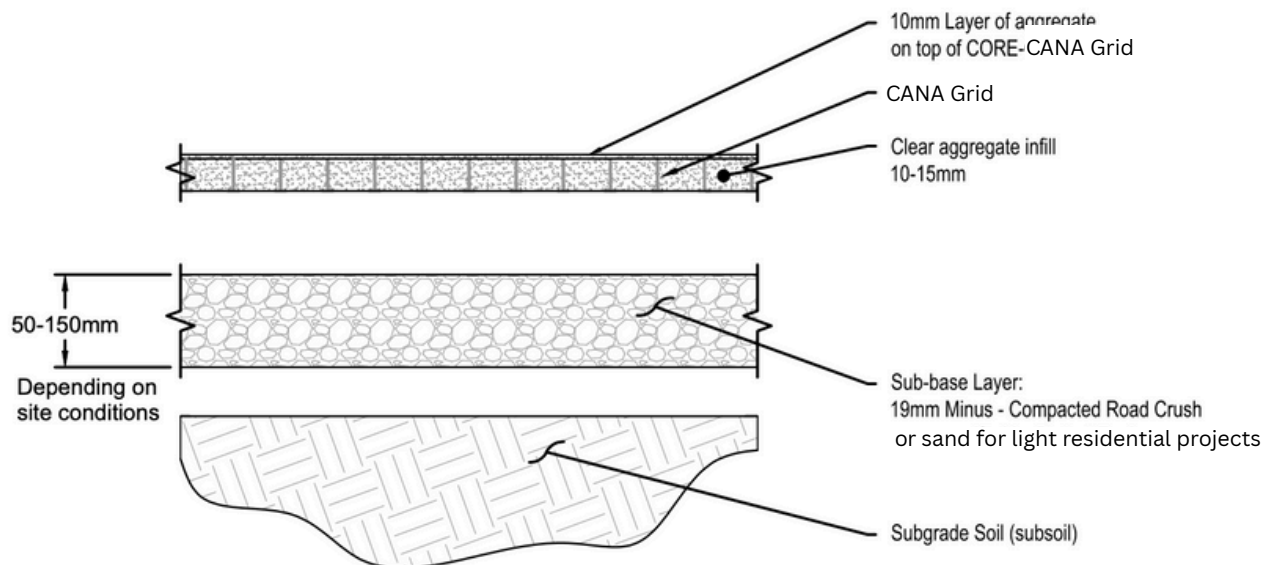
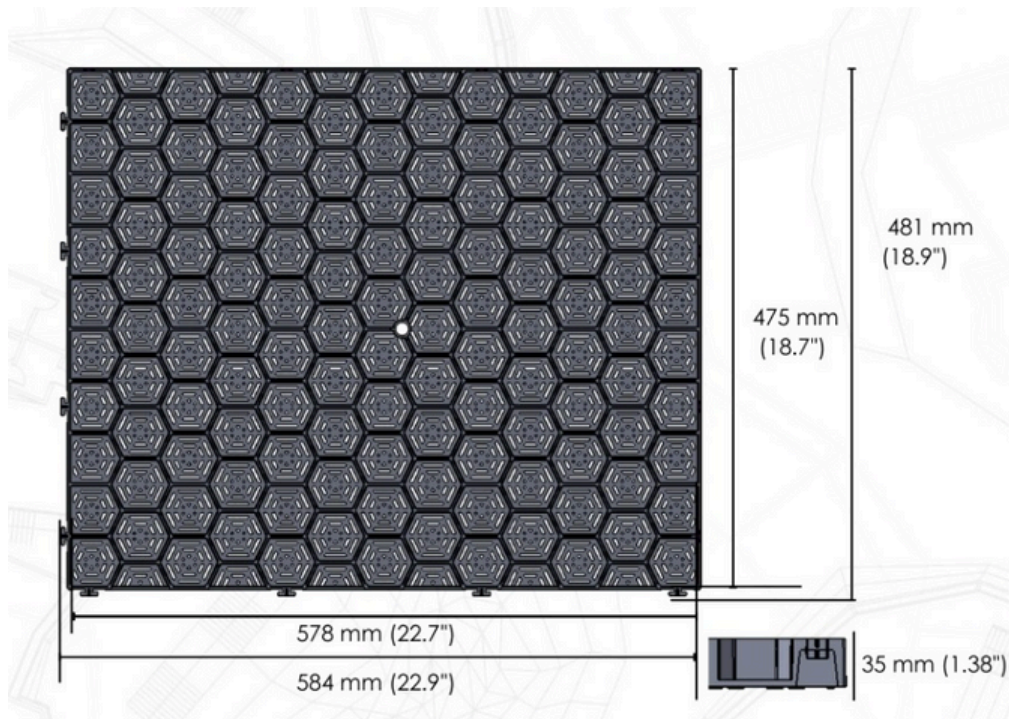


Table 1 : Typical Sub-base Thickness (T) Requirements refer to (2) Typical Construction Profile

APPLICATION/LOAD	CORRESPONDING LENGTH OF SUB-GRADE SOIL	THICKNESS OF SUB-BASE (mm & inches)	
Residential Patios & Pathways	≥ 6"	150mm	6"
	4 < 6"	180mm	7 1/4"
	3 < 4"	285mm	11 3/8"
	2 < 3"	570mm	22 7/8"
Light Duty Commercial Patios & Pathways	≥ 6"	150mm	6"
	4 < 6"	150mm	6"
	3 < 4"	200mm	8"
	2 < 3"	300mm	12"

Table 2 : Paving Grid Specification

Description	Data
Product Material Color options Paver dimensions Nominal internal cell size Structure Type Cell wall thickness Weight (Per square meter) Load bearing capacity (filled) Crush Resistance (unfilled)	CANA Grid Ocean plastics and other polypropylenes Light Grey 22.9" x 18.9" x 1.38" 2.0" (50 mm) Rigid-walled, flexible semi-closed cell 90 mil (2.3 mm) 2.3lbs (1kg) >230 tons per square metre 100 tons per square metre
Connection type Chemical resistance UV resistance Toxicity	Interlocking panels Excellent High Non Toxic
Paver fill	~1/2" clean & washed crush infill gravel - 3/8" pebble for lightly used areas is great as well
Sub-base type	DoT Class 5 or a modified permeable Class 7 reduced Fines sub-base (Table 1 & Notes 1-5)
Sub-base reinforcement	Geogrid optional

Chart 1: Field guidance for estimating sub-grade strengths

Consistency	Indicator		Strength		
	Tactile (feel)	Visual (observation)	Mechanical (test)	CBR	CU
			SPT	%	kN/sqm
Very Soft	Hand sample squeezes through fingers	Man standing will sink > 3"	<2	<1	<25
Soft	Easily moulded by finger pressure	Man walking sinks 2"- 3"	2-4	Around 1	25-40
Medium	Moulded by moderate finger pressure	Man walking sinks 1"	4-8	1-2	40-75
Firm	Moulded by strong finger pressure	Utility truck ruts 0.5" - 1"	8-15	2-4	40-75
Stiff	Cannot be moulded but can be indented by thumb	Loaded construction vehicle ruts by 1"	15-30	4-6	75-150