



GRASSPAVE 2

BY INVISIBLE STRUCTURES™



THE
STRONGEST
ROOTS

PAVED
DRAINAGE



PAVING THE WAY

Grasspave2® was the original product created by Invisible Structures in 1982. In fact, it was the first in the industry. Our innovative porous paving solution is strong, proven and comes in easy-to-install rolls. It was built first and made to last.



WHAT IS POROUS PAVING?

Porous paving is a type of pavement or surface material that allows water to pass through it, rather than creating a solid, impermeable surface. It enables rainwater to infiltrate the ground, reducing surface runoff and helping to return water to natural aquifers and restore groundwater.



MEETING STORMWATER REQUIREMENTS AND EROSION CONTROL

Because of our innovative design and specifications, including 92% void space, you can meet Stormwater Requirements in less square footage than most porous paving types using Grasspave2.



WHAT IS THE URBAN HEAT ISLAND?

The urban heat island (UHI) effect refers to the phenomenon where urban areas experience higher temperatures than rural regions due to human activities and the modification of land surfaces. Urban areas have a higher percentage of impervious surfaces like asphalt and concrete, which absorb and retain heat more than natural surfaces. Grasspave2 can make a difference.



WHY GRASSPAVE2?

Designed by a Landscape Architect, Grasspave2 is flexible, lightweight, durable and provides design versatility for any project. Due to its incredible strength, Grasspave2 offers limitless solutions. Grasspave2 provides a long-term green paving alternative that can reduce CO₂ emissions, lessen the UHI and filter out environmental toxins through bioremediation. Plus, Grasspave2 is tested and certified to meet the DOJ ADA requirements for a smooth and stable exterior surface.

THE GRASSPAVE2 ADVANTAGES



Grasspave2



Stronger Compressive Strength (15,940 psi / 2,295,000 psf)



Rolls Out -- Quicker to Install, Saves Labor



Proven Track Record of Success



Lifetime Warranty with Current Installations Standing Strong Since the 80's



92% Void Space for Root Development & Drainage



All-Weather Applications



Reduces CO₂ & Toxin Filtration

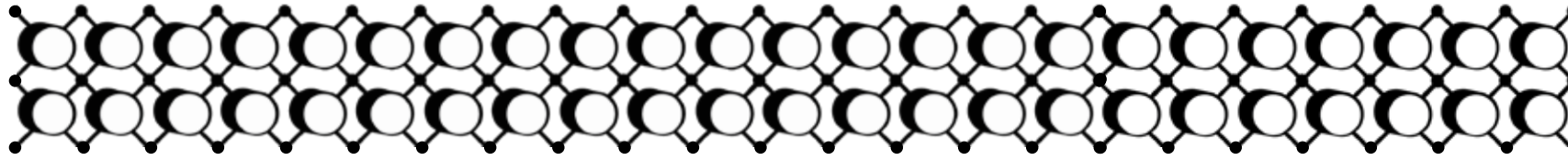


Made From 100% Recycled Plastic



Save on Maintenance & Repair Costs

APPLICATIONS



**Fire Lanes, Utility & Emergency
Access Roads**



Parking Lots



Driveways



Outdoor Event Spaces



Paths & Walkways
The only solution tested for ADA
traction and rotation ability



Ramps, Docks & Loading Areas



Airplane Taxiing Areas



Helicopter Landing Pads

IT'S EASY BEING GREEN

Sustainability starts from the ground up. Grasspave2 not only protects the environment, but it also enhances it. All our products are made from 100% recycled plastic—plastic that goes into improving the environment and not into a landfill.

Other benefits include:

- Reduces erosion and soil migration.
- Reduces site disturbance.
- Contributes to airborne dust capture and retention.
- Promotes the conversion of carbon dioxide (greenhouse gas) into oxygen.
- Has an “air-conditioning effect” to help cool the atmosphere and reduce the Urban Heat Island effect.

BIOREMEDIATION

Through bioremediation, porous pavers can clean pollutants out of stormwater.

- Heavy metals: 96–99%
- Suspended solids: 95%
- Phosphorous: 65%
- Nitrogen: 82%
- Hydrocarbons: up to 100%

**1.5 MILLION
POUNDS**

of recycled plastic are used every year for Invisible Structures products.



Sustainability



HUG A TREE

Concrete and asphalt suffocate and starve roots of air and water. With Grasspave2, plant or retain as many trees as your site will allow. Grasspave2 can come within inches of mature tree trunks without damage. Plus, our mats uniquely flex with tree root growth that would otherwise crack hard surfaces.



BEAUTY BELOW THE SURFACE

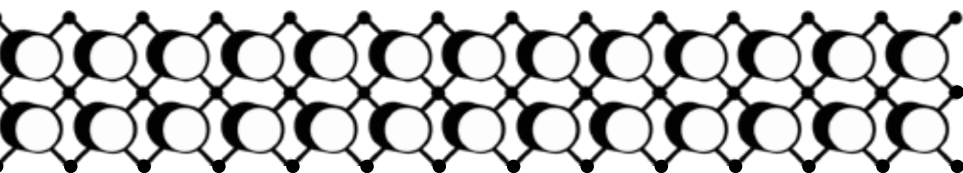
How can something that's invisible be beautiful? The end result is the real appeal. Grasspave2 creates a more stunning surface and adds a unique look to a site.

THE GRASS IS ALWAYS GREENER

Grass simply looks better than asphalt. Grasspave2 delivers water, oxygen, and carbon dioxide—all essential to root survival—to create a lush surface that blends with the surrounding lawn and other natural features.

GREAT SHAPE

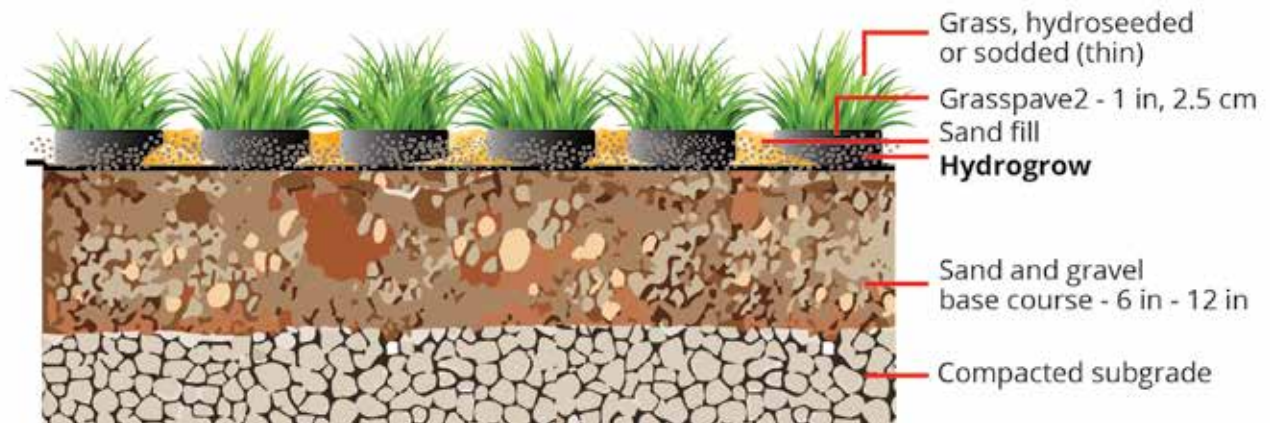
Our trademark ring-on-grid design is what gives our products a competitive advantage. Evenly spaced rings make for a flexible yet strong structure with independent weight distribution and no stress points. It's a beautifully simple solution.





GET TO KNOW HYDROGROW

Ask about our proprietary soil amendment and root booster that pairs perfectly with Grasspave2. The Hydrogrow mix should be placed immediately before or immediately after installing the Grasspave2 rolls. The addition of Hydrogrow (included with every order of Grasspave2) ensures water and nutrient retention at the base course level to expedite the root growth process after installation.



ALWAYS ON A ROLL

Due to our trademark design and proprietary blend of HDPE 100% recycled plastic, our products offer distinct design and installation advantages.

- Install 430 square feet of product with one person in five minutes.
- A full installation of the same size, including product, sand, Hydrogrow and sod/seed can be completed in about an hour.
- Bend, trim with pruning shears, or use our curve chart to easily create curves or customize layouts.



INVISIBLE STRUCTURES—STANDARD PRODUCT ROLL SIZES

Model	WIDTH		LENGTH		ROLL DIAMETER		AREA		WEIGHT	
	m	ft	m	ft	m	ft	m ²	ft ²	kg	lbs
1010	1	3.3	10	32.8	.5	1.7	10	108	24	52
2020	2	6.6	20	65.6	.8	2.7	40	430	94	208

BASE COURSE DEPTH RECOMMENDATIONS

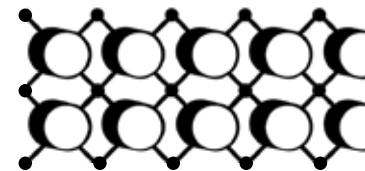
	NORMAL TRAFFIC		ROLL DIAMETER		INFREQUENT PASSES	
	CBR 2-4	CBR > 4	CBR 2-4	CBR > 4	CBR 2-4	CBR > 4
Heavy Fire Truck & H-20 Loading Max 130 psi 95,000 lb	14 in	12-14 in	12-14 in	12 in	12 in	10-12 in
Light Fire Truck & H-15 Loading Typical 85 psi 60,000 lb	12 in	10-12 in	10 in	8-10 in	8-10 in	8 in
Utility & Delivery Truck & H-10 Loading Typical 60 psi 40,000 lb	8-10 in	8 in	8-10 in	6-8 in	6-8 in	6 in
Cars & Pick-Up Truck Access Typical 45 psi 8,000 lb	6-8 in	6 in	6 in	4-6 in	4-6 in	2-4 in
Trail Use and Cart Paths <1,000 lb	2-4 in	2-4 in	2-4 in	0-2 in	none	none

QUICK REFERENCE GUIDE FOR GRASSPAVE2

DESCRIPTION	CONNECTABLE RING AND GRID SYSTEM
Also Included	Hydrogrow polymer—exclusively for Grasspave2
Available in Large, Flexible Rolls	Yes, various sizes
Colors	Black
Components Needed for System	Base course, sand, labor, sod or seed (irrigation is recommended)
Traffic	Low speed, light to moderate
Compressive System Strength	Filled: 15,940 psi (2.29 million per sq ft / 109,906 kPa)
Life Span	Lifetime with proper maintenance
Recommended Maximum Slope	5% fire lanes, 8% car/light truck, 15-20% golf carts, pedestrian use, and trails
Stormwater Storage	Yes
Clean Pollutants through Bioremediation	Excellent
Air-Conditioning Effect	Yes
Heat Island Mitigation	Yes—Albedo Number .40
Reduces Runoff and Non-Point Source Pollution	Yes
Recycled Content	100% recycled HDPE plastic
Erosion Control	Yes
Airborne Dust Capture and Retention	Excellent
Promotes and Retains Tree Growth	Yes
Recharges Groundwater	Yes

PSI STRENGTH

See additional technical resources here:



FEATURED CASE STUDY: AUSTIN Q2 STADIUM

Grasspave2 supported the parking for this soccer-specific stadium located in Austin, Texas, home to Major League Soccer (MLS) team Austin FC.

Grasspave2 was chosen to improve the functionality and sustainability of the North Lot and provide a more eco-friendly and aesthetically pleasing solution for parking and event spaces. It allows for the growth of grass, while still supporting the weight of vehicles and foot traffic. This helps to reduce heat island effects, manage stormwater runoff, and create a more environmentally friendly and versatile space for various events and activities.

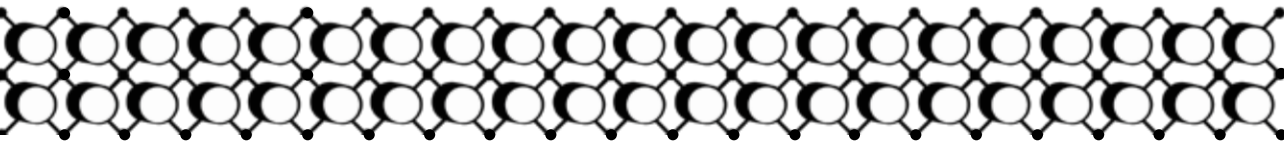




FEATURED CASE STUDY: THE PENTAGON

RDF is the largest green roof east of the Mississippi, and Lee and Associates, Landscape Architects, needed to keep as much of the landscaped look as possible. Grasspave2 has a high compressive strength (15,940 psi), more than adequate to land a helicopter – other installations have seen jet aircraft driving over the system. The Pentagon RDF is also a LEED Certified project. Grasspave2 helped get the certification with its 100% recycled content, stormwater benefits, and heat island mitigation.





GROUNDING IN PERFORMANCE™

Invisible Structures is the leader in porous paving and stormwater management solutions. We enhance your project and the planet with strong, stylish, and streamlined solutions for:

GRASSPAVE2 | Grass Porous Paving
BY INVISIBLE STRUCTURES™



GRAVELPAVE2 | Gravel Porous Paving
BY INVISIBLE STRUCTURES™



RAINSTORE3 | Underground Stormwater Storage
BY INVISIBLE STRUCTURES™



SLOPETAME3 | Erosion Control
BY INVISIBLE STRUCTURES™



DRAINCORE2 | Drainage
BY INVISIBLE STRUCTURES™



BEACHRINGS2 | Portable ADA Access Mats
BY INVISIBLE STRUCTURES™

How long can an Invisible Structures product last? We'll get back to you. All maintained installations are still standing!



Invisible Structures is the Industry's Trusted Choice in Porous Paving, Underground Water Containment and Stormwater Solutions Since 1982.

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