



# UrbanGreen™ GRASS PAVERS

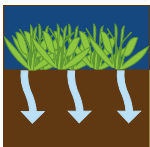
The UrbanGreen™ Grass Paver plastic grid system is an innovative, ecologically sound solution for permeable paving. Versatility, durability and ease of use are all engineered into the UrbanGreen Grass Paver for exceptional performance under extreme conditions. The system provides durability at a competitive price.

## An Innovative Grass Paver System

The UrbanGreen Grass porous paver system is a step above other plastic systems available on the market today. Years of dedication to design and testing have produced a lightweight plastic paver with unmatched strength and durability. The unique design of this system creates a fully functional and cost-effective alternative to conventional paving.



## A Low Impact Development Technique



Porous pavers are a well-known and accepted low impact development (LID) technique to reduce impervious surfaces and promote infiltration, by utilizing porous pavers on fire lanes, access roads, or other surfaces that see limited use.

### Some of the benefits of porous pavers include:

- Reduction in runoff volume
- Reduction in peak discharge rate
- Groundwater recharge
- Improved water quality
- Reduction in heat island effect

## Benefits

- **Easy Installation** — Conforms to irregular surfaces
- **100% Post Manufactured Recycled Content** — An amazing advantage for the environment
- **Meets LEED® Performance Criteria** — Contributes toward earning points needed for LEED Certification
- **Incredible Load Bearing Strength** — Over 6,700 psi capacity when filled
- **Protection of Plant Root Zone System** — Grass paver applications
- **Versatile Design** — Surface infiltration and greenroof applications
- **Lightweight Construction** — Cost-effective to ship and install
- **Unique Connection System** — Allows for expansion and contraction
- **Locking Latches** — For faster assembly and tighter locking while maintaining expansion and contraction capability
- **Made in the USA**



# Exceptional Performance Under Extreme Conditions

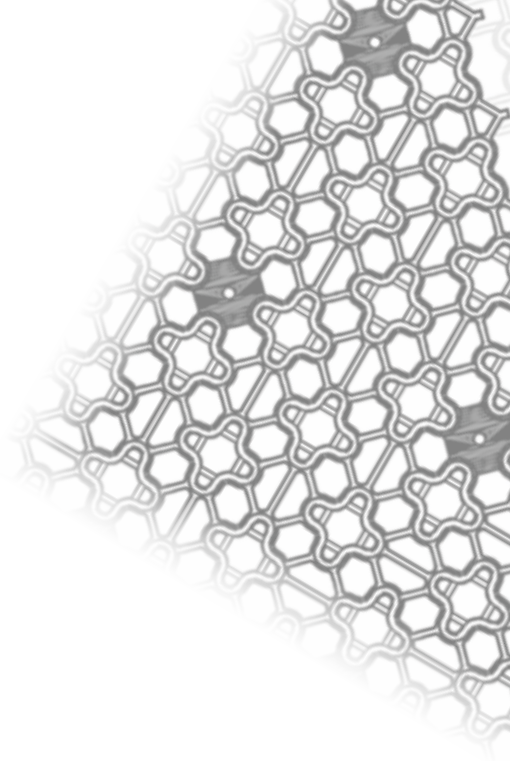


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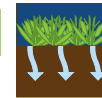


# LOAD STRENGTH

With an unfilled compression strength of 493 psi (3399 kPa) and an incredible filled strength of 6,747 psi (46,518 kPa) the UrbanGreen Grass Paver has been independently tested to exceed AASHTO load requirements for highways and bridges with a multiple safety factor at even the highest level.



Vehicle Type	Max Weight/Axle		AASHTO Load Class	Surface Pressure	
	lbs	kg		psi	kPa
ATV (Trailer Vehicle Only)	1,200	544.31	—	3	20.68
Passenger Vehicle	3,000	1,360.78	H10	7.5	51.71
Light Truck	3,000	1,360.78	H10	7.5	51.71
Pickup	4,000	1,814.37	H10	10	68.95
80 Hp Tractor	5,700	2,585.48	H10	14.25	98.25
Service Vehicle	7,000	3,175.15	H10	17.5	120.66
100 Hp Tractor	11,000	4,989.52	H10	27.5	189.61
Van Delivery Truck	16,000	7,257.48	H10	40	275.79
Rural Fire Truck	22,000	9,979.03	H15	55	379.21
Large Delivery Truck	24,000	10,886.22	H15	60	413.69
Semi Delivery Truck	24,000	10,886.22	H15	60	413.69
Garbage Truck (Single Axle)	26,000	11,793.40	H20/HS20	65	448.16
Loaded Dump Truck	30,000	13,607.77	H20/HS20	75	517.11
Heavy Delivery Truck	32,000	14,514.96	H20/HS20	80	551.58
Heavy Semi Truck	32,000	14,514.96	H20/HS20	80	551.58
Standard Log Truck	33,600	15,240.70	H25/HS25	84	579.16
Concrete Transit Truck	38,000	17,236.51	H25/HS25	95	655.00
Garbage Truck	42,000	19,050.88	H25/HS25	105	723.95
Dump Truck	43,000	19,504.47	H25/HS25	107.5	741.19
Off Highway Log Truck	43,000	19,504.47	H25/HS25	107.5	741.19



#### Technical Data

Paver size 32" x 32" x 1"

Weight: 2.9 lbs/unit

Load Bearing: 6,747 psi capacity (filled)

Material: Polypropylene/Polyethylene

Copolymer with Impact Polymer Modifier

Individual Square Area: 7.03 ft<sup>2</sup>



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