

LSG SERIES[®]

LOAD SUPPORT GRID

"Saves money and lasts a lifetime!"



LSG SERIES[®] STABILIZER GRID provides superior support to your pavement system. The system confines materials and prevents lateral movement away from the applied load. The stabilizer grid acts as a large mat, by spreading the load over an extended area while increasing the load bearing capacity of the pavement surface.



APPLICATIONS INCLUDE:

Gravel | Grassy Paving

- Driveways
- Municipal and private roads
- Access roads
- Parking lots | Parking pads
- Fire access lanes
- Overflow parking

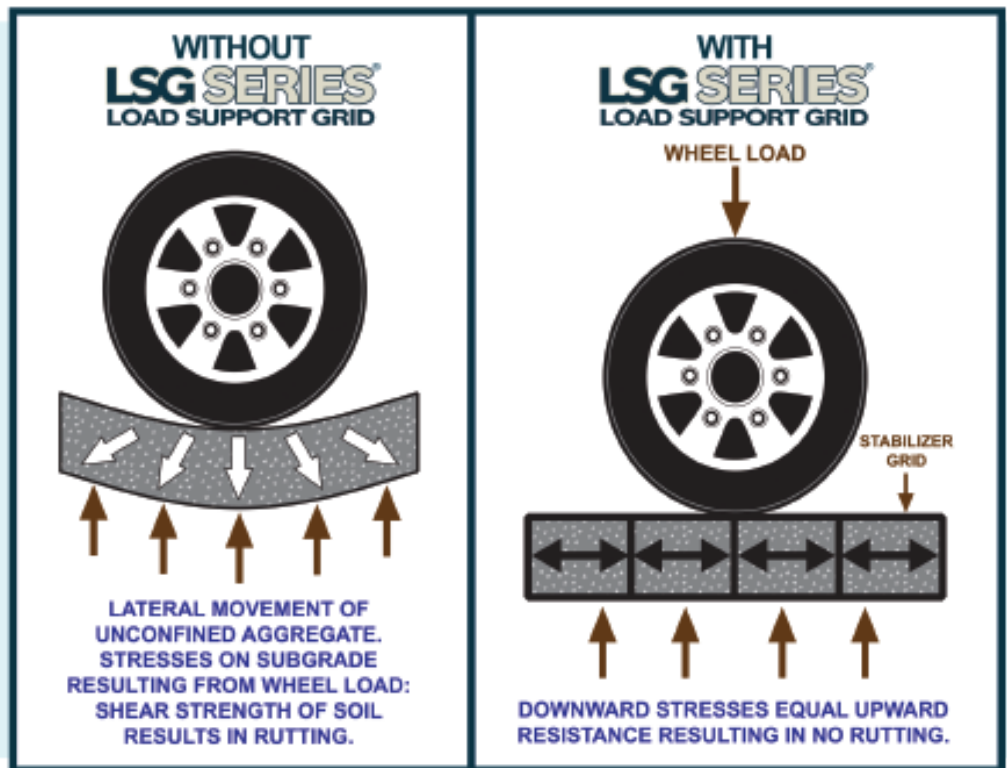
Pavers

- Pathways
- Patios
- Driveways

Gravel-Lok[®] (Bonded Gravel)

Mud Management (farms, horse paddocks)

Green Roofs

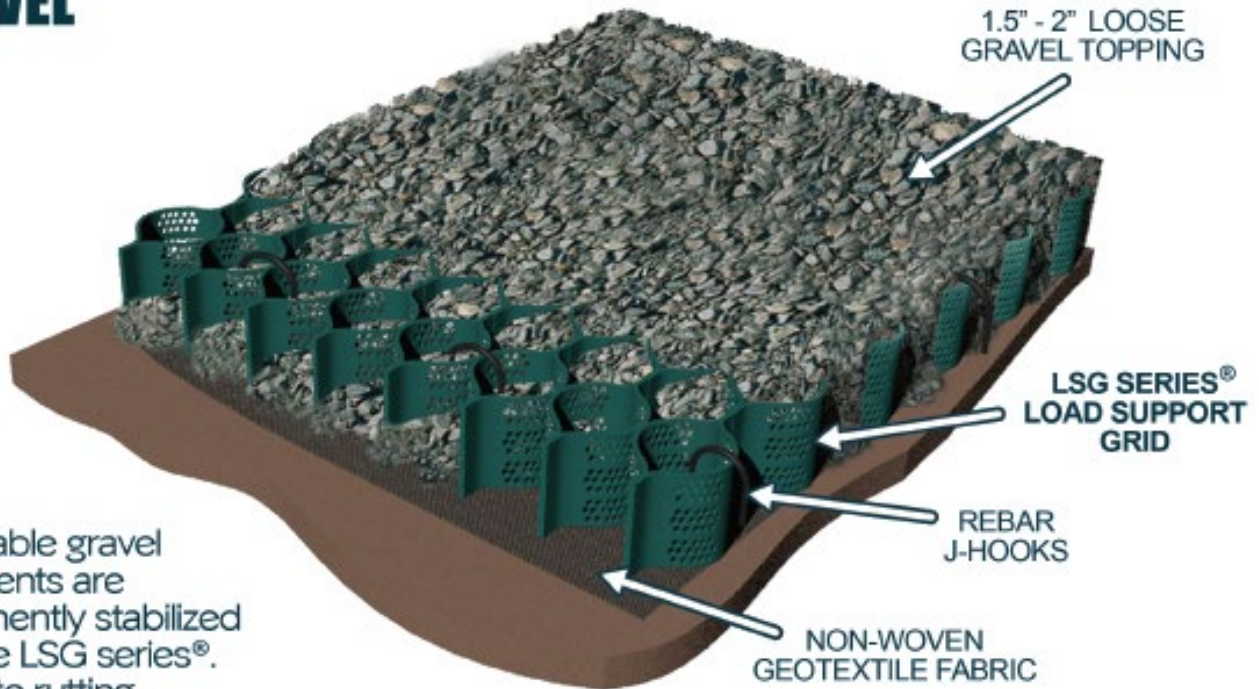


Reduce Stormwater Runoff • Reduce Base Thickness • Reduce Subgrade Stress
Reduce Installation Costs • Reduce Maintenance • Increase Strength
Increase Load Support • Increase Pavement Life • Increase Performance

LSG SERIES[®]

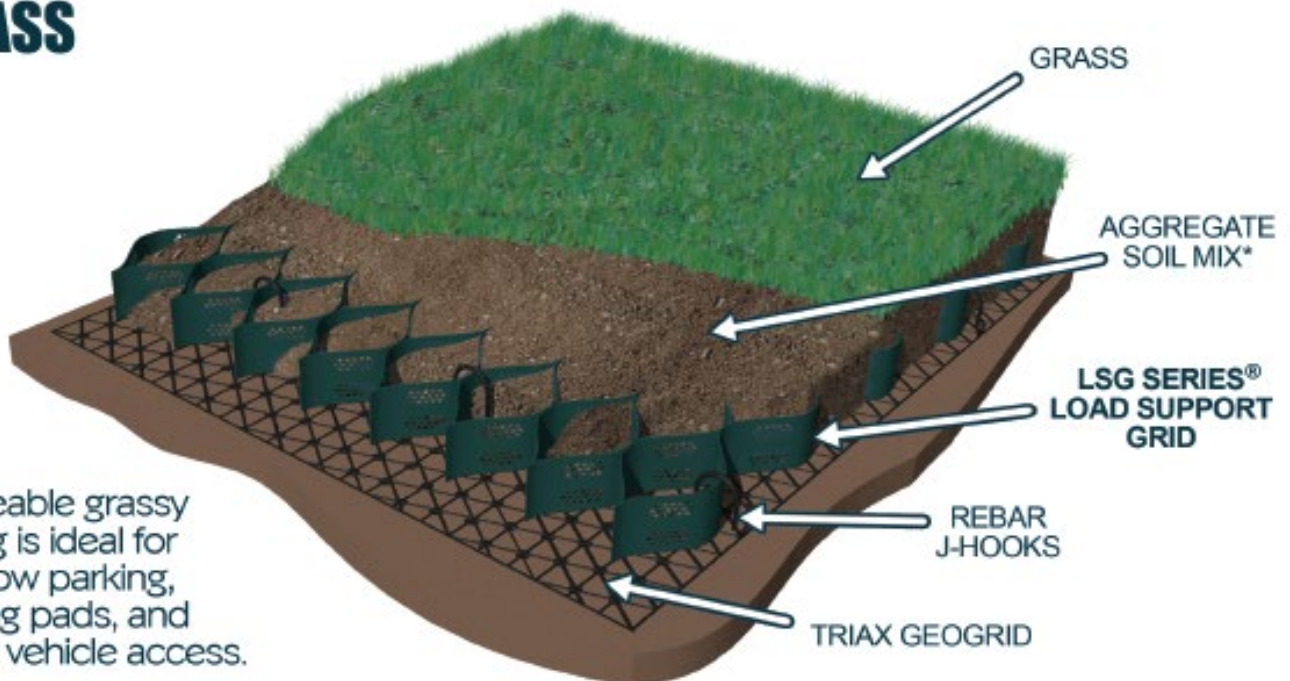
LOAD SUPPORT GRID

GRAVEL



Permeable gravel pavements are permanently stabilized with the LSG series[®]. Eliminate rutting.

GRASS

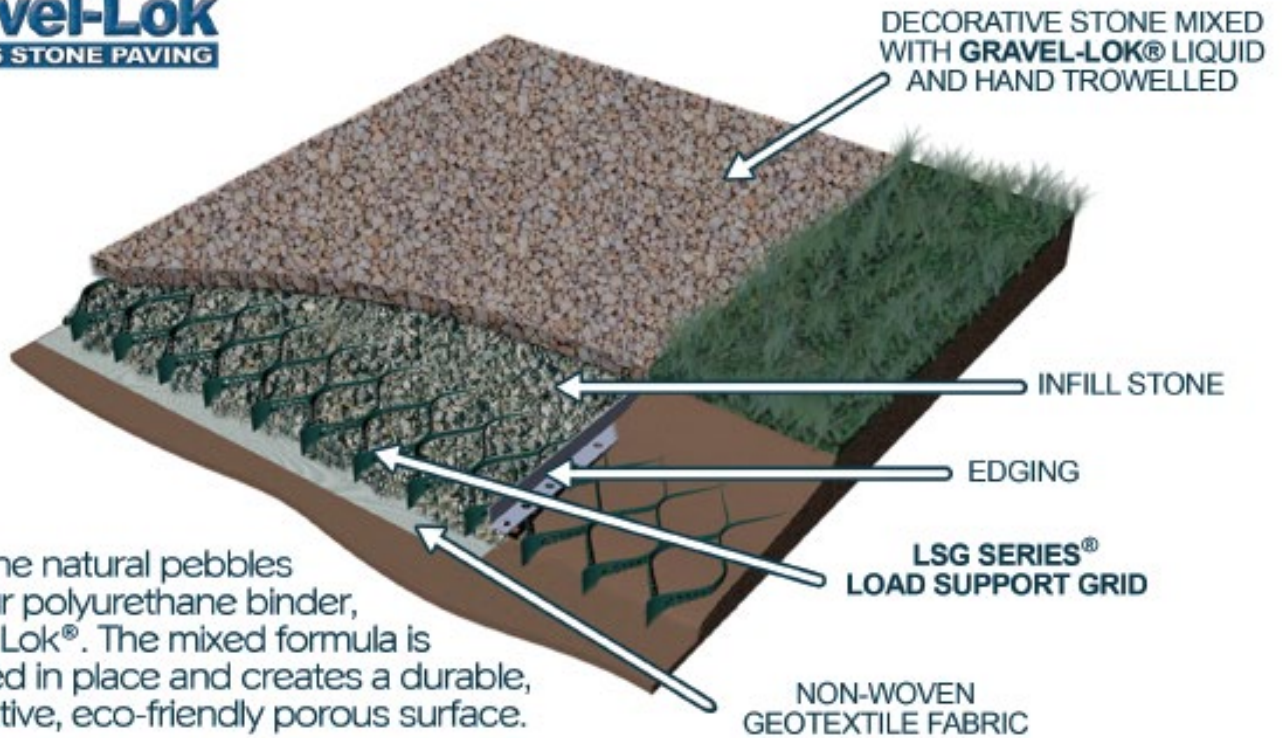


Permeable grassy paving is ideal for overflow parking, parking pads, and heavy vehicle access.

*Aggregates and soil are mixed for load support and root growth. Ratio varies. Call for details.

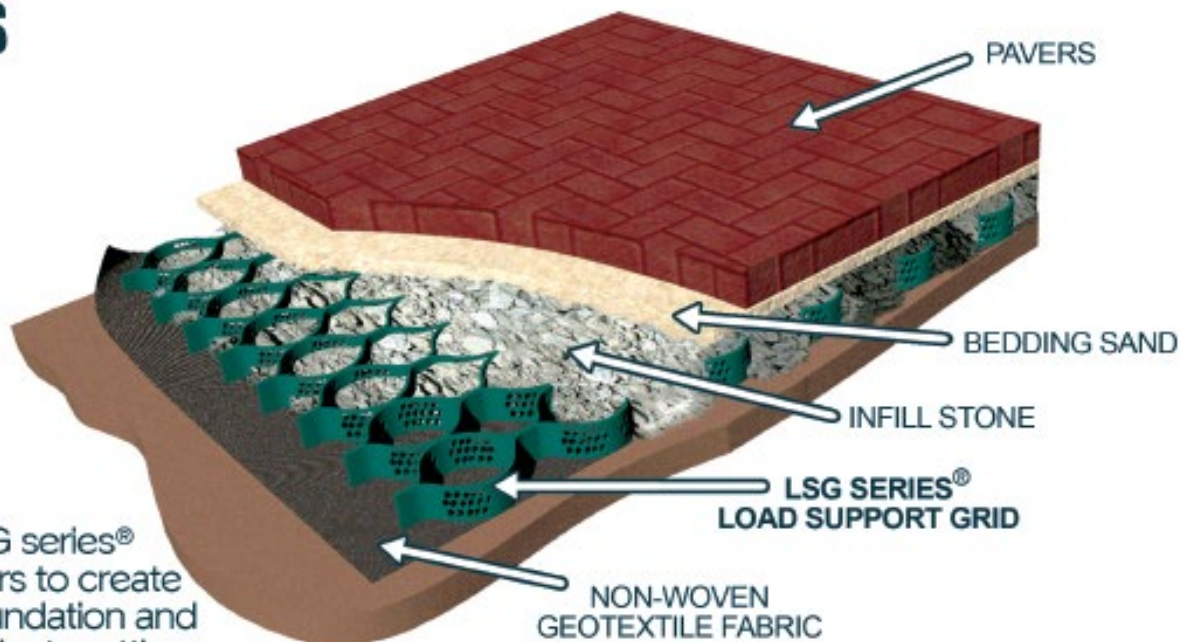
"Makes a great foundation for any surface!"

Gravel-Lok POROUS STONE PAVING



Combine natural pebbles with our polyurethane binder, Gravel-Lok®. The mixed formula is troweled in place and creates a durable, decorative, eco-friendly porous surface.

PAVERS



Use the LSG series® below pavers to create a strong foundation and virtually eliminate rutting.

Also ideal for stabilizing the top layer of gravel in a permeable paver application.

TYPICAL INSTALLATION of LSG SERIES® as base foundation for Gravel-Lok® or pavers.
 For non-bonded gravel or grassy paving, see website for installation - www.celltekdirect.com



PRODUCTS	CELL DEPTH	DIMENSIONS	AREA/ UNIT	UNITS/ PALLET	TRAFFIC	LOAD DETAILS	APPLICATIONS
LSG-3	3"	8'x 22.5'	180 SF	24	Pedestrian	8000 lb. Axle Loads: 18kN	Pedestrian Traffic, Walkways, Pathways
LSG-4	4"	8'x 22.5'	180 SF	18	Cars & Pickup Trucks	H10 Loading 40,000 lb. Axle Loads 75kN	Driveways, Access Roads, Overflow Parking
LSG-6	6"	8'x 22.5'	180 SF	12	Heavy Trucks & Fire Access	H20 Loading 80,000 lb. Axle Loads 145kN	Ports, Boat Ramps, Access Roads Driveways, Commercial Applications



PROPERTIES	TEST METHOD	TEST VALUE
Material Composition	ASTM D1505	Polymer, Virgin HDPE Density: 0.9574 g/cm3
Nominal Sheet Thickness	ASTM D 5199	1.45 mm
Environmental Stress Crack Resistance	ASTM D1693	> 6,000 Hrs.
Environmental Stress Crack Resistance	ASTM D5397	> 400 Hrs.
Stabilizer	ASTM E 682	Hindered amine light stabilizer (HALS) 1.0% by weight
Short Term Seam Peel Strength		3" (75mm) 1085N 4" (100mm) 1542N 6" (150mm) 2170N
Long Term Seam Peel Strength	A 100 mm (4 inch) wide section sample shall support a (160 lb.) load for a period of 7 days (168 hrs.) minimum in a temperature controlled environment undergoing a temperature change on a 1 hour cycle from ambient room temperature to (130° F)	

CELL-TEK LLC **CELLTEKDIRECT.COM**
Geosynthetics
 E-mail: info@celltekdirect.com Tel: 888-851-0051 Fax: 410-721-3844
 809 Barkwood Court • Suite M • Linthicum, Maryland 21090