

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

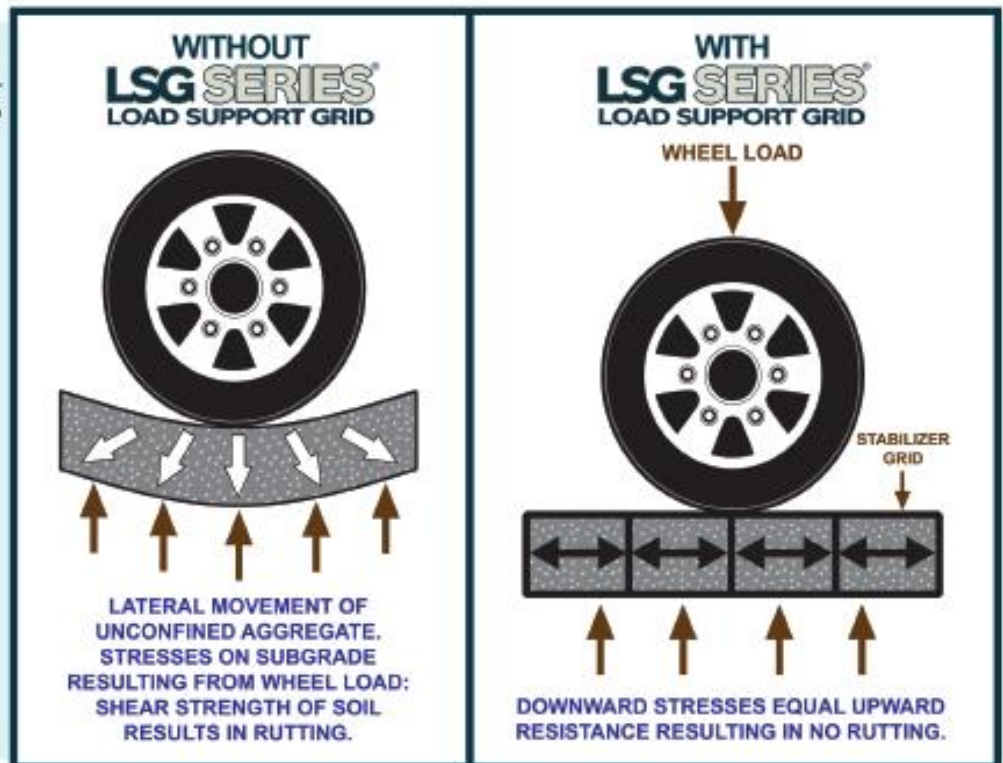
Pavers

- Pathways
- Patios
- Driveways

Gravel-Lok[®] (Bonded Gravel)

Mud Management (farms, horse paddocks)

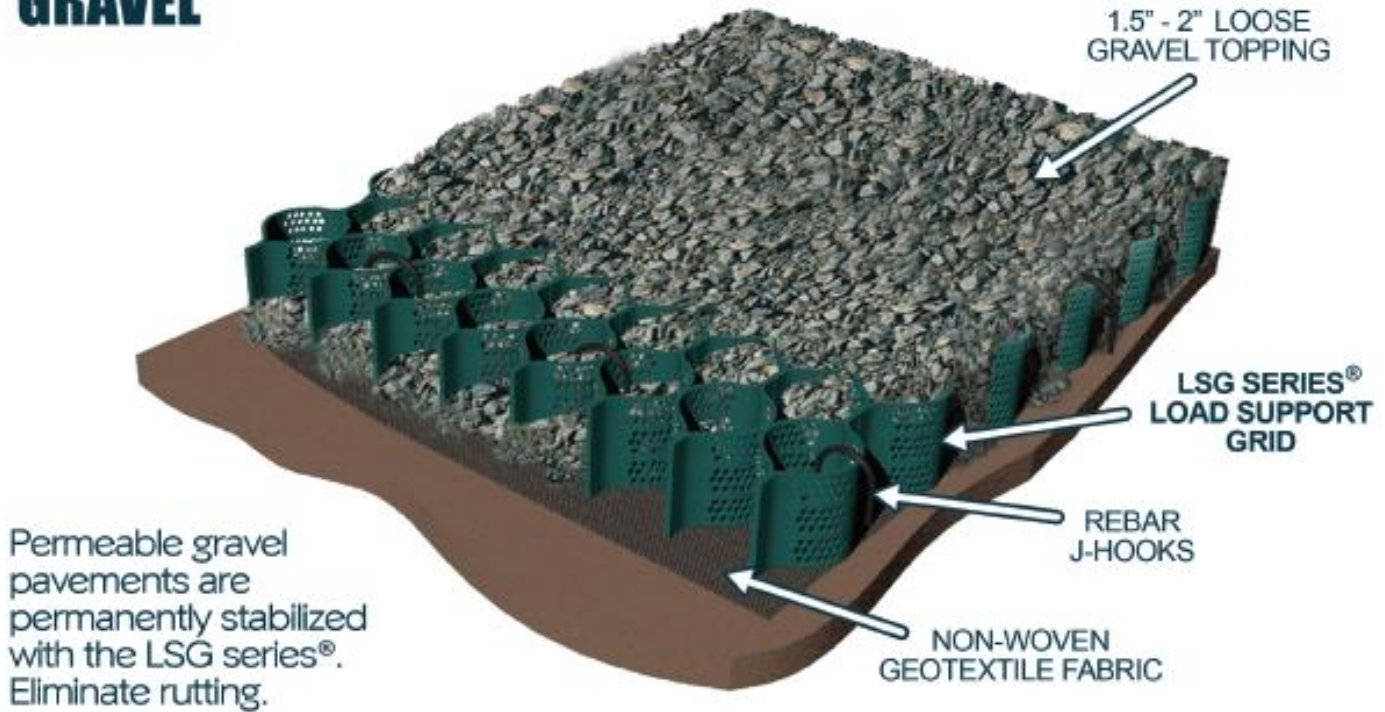
Green Roofs



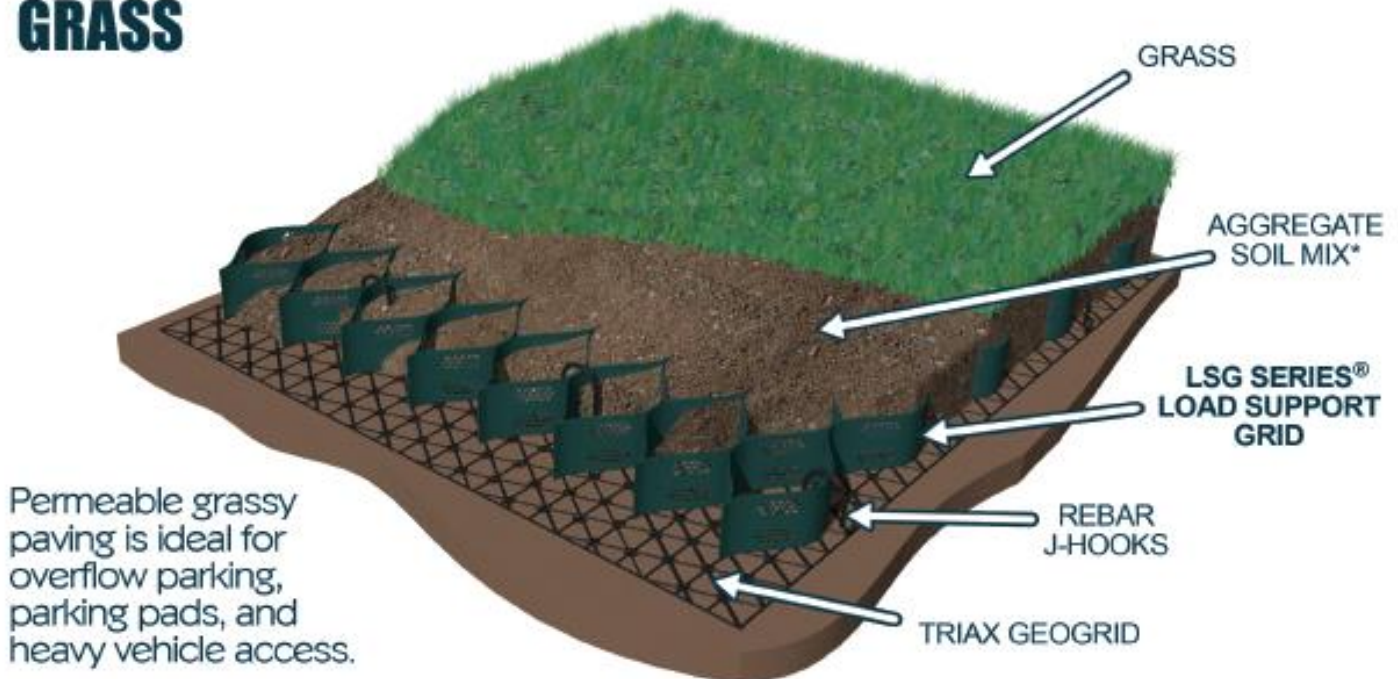
Reduce Stormwater Runoff • Reduce Base Thickness • Reduce Subgrade Stress
Reduce Installation Costs • Reduce Maintenance • Increase Strength
Increase Load Support • Increase Pavement Life • Increase Performance

LSG SERIES® LOAD SUPPORT GRID

GRAVEL



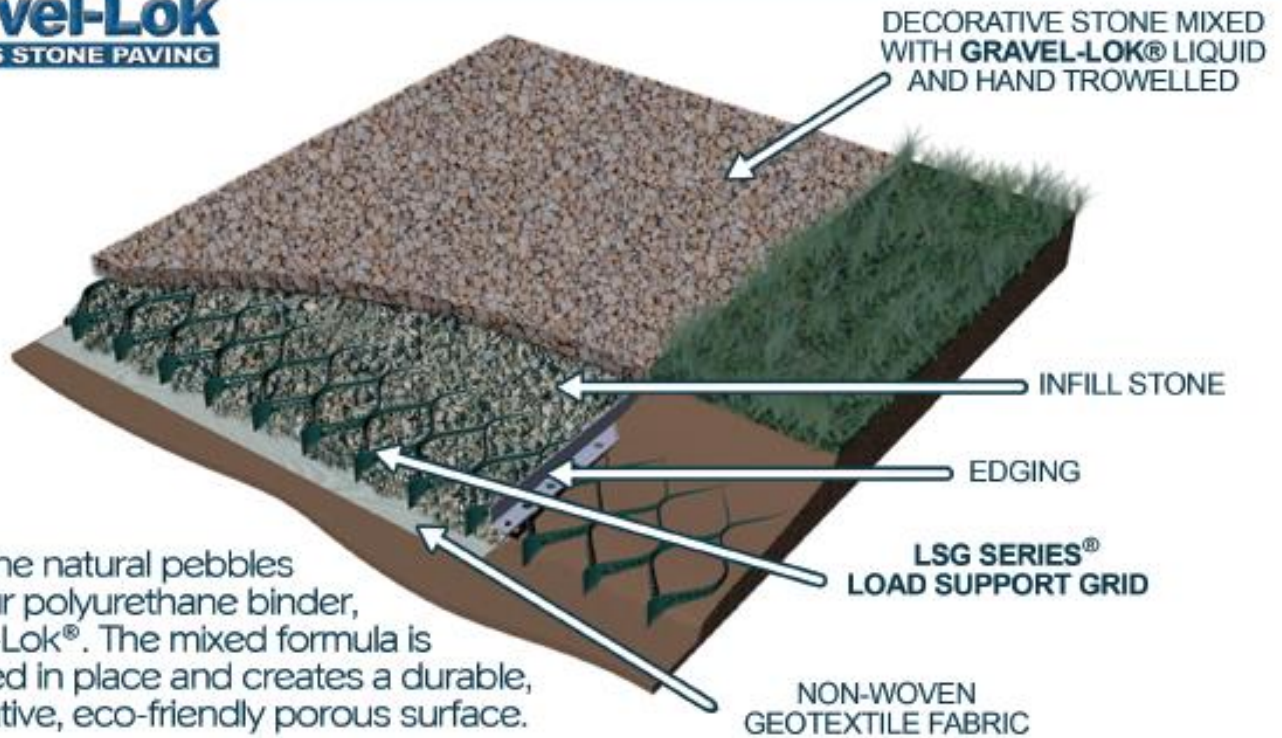
GRASS



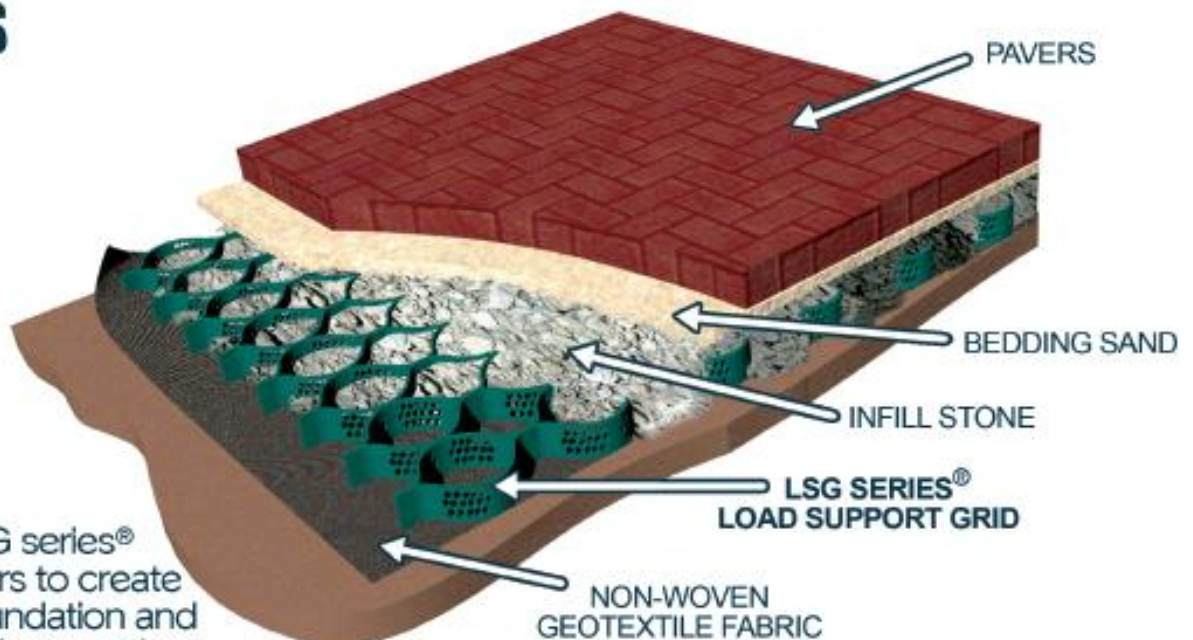
*Aggregates and soil are mixed for load support and root growth. Ratio varies. Call for details.

"Makes a great foundation for any surface!"

Gravel-Lok POROUS STONE PAVING



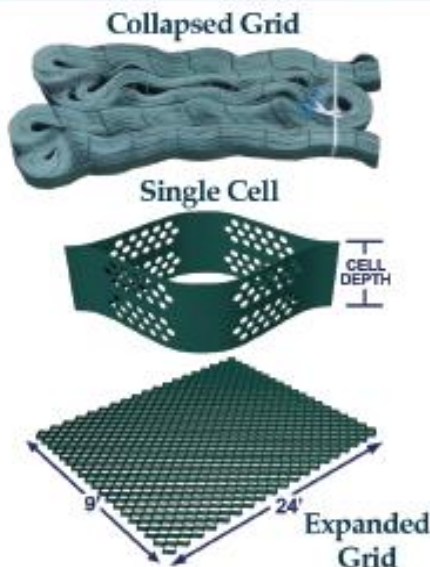
PAVERS



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

<p>Excavate</p>  <p>1</p>	<p>Install Geotextile Fabric</p>  <p>2</p>	<p>Install Expansion Spikes</p>  <p>3</p>
<p>Expand LSG Stabilizer Grid</p>  <p>4</p>	<p>Staple One Grid To Another</p>  <p>5</p>	<p>Infill Cells</p>  <p>6</p>
<p>Completely Fill Cells</p>  <p>7</p>	<p>Overfill Cells & Tamp</p>  <p>8</p>	<p>Install Surface Layer</p>  <p>9</p>

PRODUCTS	CELL DEPTH	DIMENSIONS	AREA/ UNIT	UNITS/ PALLET	TRAFFIC	LOAD DETAILS	APPLICATIONS
LSG-3	3"	9' x 24'	215 SF	24	Pedestrian	8000 lb. Axle Loads: 18kN	Pedestrian Traffic, Walkways, Pathways
LSG-4	4"	9' x 24'	215 SF	18	Cars & Pickup Trucks	H10 Loading 40,000 lb. Axle Loads 75kN	Driveways, Access Roads, Overflow Parking
LSG-6	6"	9' x 24'	215 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/cm ³
Nominal Sheet Thickness	ASTM D 5199	1.45 mm
Environmental Stress Cracking	ASTM D1693	> 4500 Hrs.
Stabilizer	ASTM E 682	Hindered amine light stabilizer (HALS) 1.0% by weight
Short Term Seam Peel Strength		3" (75mm) 1065N 4" (100mm) 1542N 6" (150mm) 2170N

WWW.CELLTEKDIRECT.COM

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CELL-TEK[®]
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