The GEOWEB® with aggregate infill promotes runoff infiltration & storage, and is a cooler and economical pavement with no traffic frequency restrictions.
Geoweb panels are shipped pallets unexpanded and then expanded at the time of installation to cover a large area with cost-effective shipping costs.

Guidance for the base depth is provided in Presto Geosystem’s “GEOWEB® LOAD SUPPORT SYSTEM TECHNICAL OVERVIEW”.

You can also take advantage of Presto Geosystem’s experience and design support by using their complimentary project evaluation service for your Geoweb project.
The existing unconfined gravel parking lot, after years of compaction, had developed ponding and runoff issues.

Geoweb cell walls are both textured and perforated, providing: 1. Optimum cell wall/infill interface friction, 2. Enhanced infill interlock and load transfer between cell wall and infill and 3. Cross cell water flow.
GEOWEB Gravel parking: Site is prepared per the GEOWEB Load Support System Installation Guideline.

- Subgrade is smooth graded
- Geotextile is deployed
- Sub-base stone is placed
- Stone is spread smooth
GEOWEB panels are expanded and put into place on prepared surface.
Multiple Geoweb panels are deployed and stapled together to create one monolithic structure.

A new innovation since this project, ATRA keys are 3X stronger and faster than stapling.
Infill is placed onto expanded GEOWEB sections.

Geoweb 3D confinement increases the effective structural number, reducing fill depth requirement by 50%.

Total required profile with GEOWEB load support.

Total required profile without GEOWEB load support.
Infill is spread into the Geoweb cells and compacted.

The interconnected cells produce a stiff base with high flexural strength; acts like a semi-rigid slab by distributing loads laterally.
Unconfined = Aggregate movement & loss of strength
Confined = Infill strength & maintenance reduction.
Comparison of GEOWEB gravel parking area vs conventional gravel lot during a rain event.

Original unconfined gravel lot produced ponding and runoff.

Geoweb confined gravel lot is free draining into subgrade.
Completed Geoweb Gravel Parking Application.

Other Geoweb Load Support benefits Include:

- Minimized impact of differential and overall settlement even on low-strength subgrades.
- May allow use of poor-quality granular fills in place of more costly imported materials.
- With permeable infill, reduces stormwater runoff and effectively performs as on-site stormwater retention/detention “Basin” storage, reducing the need and costs for stormwater basins.
Presto Geosystems offers a variety of products and systems that can facilitate the “micro-management of stormwater close to the source” facets of LID and GI.

LEED® credits can be earned in the process.