

### GEOWEB®

#### LOAD SUPPORT SYSTEM

The **Presto GEOWEB® Load Support System** is a highly effective solution to soil stability problems that result from subgrade material failure or base material instability.

Under concentrated or distributed loads, the three-dimensional cellular structure confines infill material and controls shearing, lateral and vertical movement of the infill material. The system creates a stabilized structural support system for unstable soils in key areas:

- ◆ **BASE STABILIZATION** under paved surfaces
- ◆ **SURFACE STABILIZATION** for unpaved and permeable surfaces
- ◆ **GRADED PORTIONS** for embankments and stormwater control.



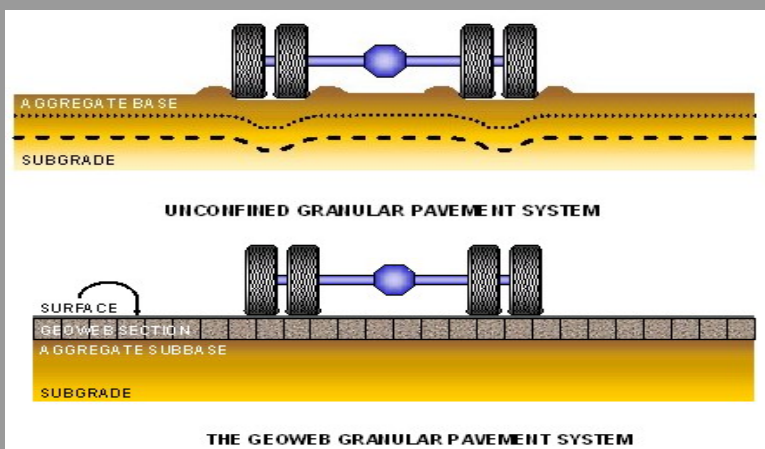
**Confinement** in the interconnected GEOWEB® cells stabilizes aggregate so it can handle even the heavy loads of construction vehicles and commercial aircraft.

### AIRPORT APPLICATIONS

- Runway and Taxiway Base Stabilization
- Runway Shoulders
- De-Icing Pads / Drainage Layer
- Access Roads
- Graded Portions (Slopes, Drainage Ditches, Walls)

### GEOWEB STRUCTURAL BENEFITS

- Controls differential and total settlement over low-strength subgrades.
- Thickness and weight of confined vs. unconfined structural support systems may be reduced by 50 percent or more.





## STABILIZATION SOLUTIONS FOR AIRPORT APPLICATIONS

### PROJECT 1:

#### **CLEVELAND HOPKINS INT'L AIRPORT, Cleveland, Ohio:**

##### **DRAINAGE LAYER**

The Geoweb® System was utilized for a 1.3 million sq ft. de-icing area, serving as a construction support platform over marginal subgrades and a highly-permeable structural drainage layer for the 30-acre de-icing site. The system develops a structurally-stable aggregate drainage system for groundwater, and supports the impervious membranes that prevent the possibility of groundwater contamination.



### PROJECT 2:

#### **CAMP ATTERBURY NATIONAL GUARD BASE**

##### **Columbus, Indiana**

##### **LANDING STRIP FOR C130 AIR- CRAFT**

The Geoweb® System was utilized for base stabilization of a 200,000 sm (2,000,000 sf) landing strip area for 83,300 lb (dual wheels) gear load.

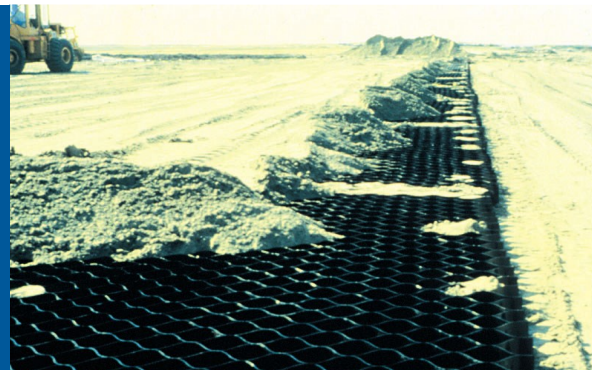


### PROJECT 3:

#### **SHISHMAREF, ALASKA:**

##### **AIRSTRIp FOR DC-6 AND HER- CULES AIRCRAFT**

The Geoweb® System was utilized to stabilize the base of a runway 60 ft. x 3,000 ft. Three inches of emulsified asphalt was placed over the sand-infilled Geoweb system to form the runway surface.



### PROJECT 4:

#### **GRAND CANYON AIRPORT Grand Canyon, Arizona**

##### **TAXIWAY SHOULDER**

The Geoweb® System was utilized to stabilize a 250 Ft. length by 16 ft. width (4,000 SF) problem area of soft shoulder at the airport. The problem was caused by poor soils and snow melt.

