Soil Reinforcement Products

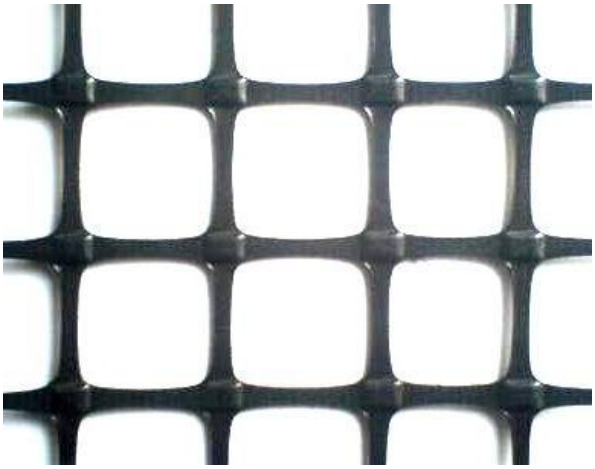
The intent of soil reinforcement is just as its name implies. Reinforcing the soil minimizes its movement under vehicle load, preventing the pumping and mixing action which washes the finer particles out of the fill. If you have ever paused to look into a pot hole on a gravel road, one would notice that all the finer particles have been removed from the area leaving behind only the larger stones in the bottom of the pot-hole. This is the result of this section moving up and down under vehicle load, deforming the area, mixing the imported materials with the native materials, and allowing water to pool and then wash out the smaller particles from this area creating the pot-hole.

Contain Enviro Services Ltd. carries a complete range of soil reinforcement materials to handle even the most challenging of soil reinforcement applications. The correct choice of material typically revolves around the native materials in the area, the choice of backfill available to create the road, and finally the vehicle weight and frequency of wheel load the road must endure. By understanding these variables Contain Enviro Services Ltd. can suggest the most appropriate and cost effective solution to fit your design requirements.

Along with soil reinforcement products Contain Enviro Services carries a full line of construction products such as erosion and sediment control products to help you comply to the environmental requirements of your construction project.

For More Information, Please Visit Our Website www.contain.ca

Bi-Axial Geogrid



Biaxial polypropylene geogrids are used in base reinforcement applications such as roads, storage yards and parking lots or any other load bearing structure. Biaxial polypropylene geogrids provide good tensile strength in both principle directions. The reinforcing action of Geogrid is due to the increase of shearing resistance between the soil and the square ribs of the geogrid. The load dispersal effect from the interlocking mechanism reduces the required amount of fill required, resulting in greatly reduced construction costs. The use of Geogrid distributes loading and disperses stress more effectively, leading to the reduction in differential settlement and improved foundation bearing capacity.

	E'Grid Biaxial PP Geogrid- Imperial Values			
		E'GRID[1] 2020	**E'GRID[1] 3030**	**E'GRID[1] 4040**
Aperture Size (in) Typical		1.57 x 1.57	1.57 x 1.57	1.3 x 1.3
Wide Width Tensile (lb/ft) MD/CD	ISO 10319	1,370 --- 1,370	2,056 --- 2,056	2,741 --- 2,741
Strength @ 2% Strain (lb/ft) MD/CD	ISO 10319	520 --- 520	754 --- 754	994 --- 1028
Strength @ 5% Strain (lb/ft) MD/CD	1SO 10319	1,048 --- 1,048	1,480 --- 1,480	1,919 --- 1,987
Junction Efficiency (%)	GRIGG2	> 95	> 95	> 95
Flexural Rigidity (mg-cm)	ASTM D1388	750,000	1,600,000	4,300,000
Torsional Stiffness (kg-cm/degree)	US Army COE	3.3	6.6	7.3
Roll Size (ft)		12.8 x 328	12.8 x 246	12.8 x 164
Roll Weight (lbs) Typical		172	194	215

For More Information, Please Visit Our Website www.contain.ca