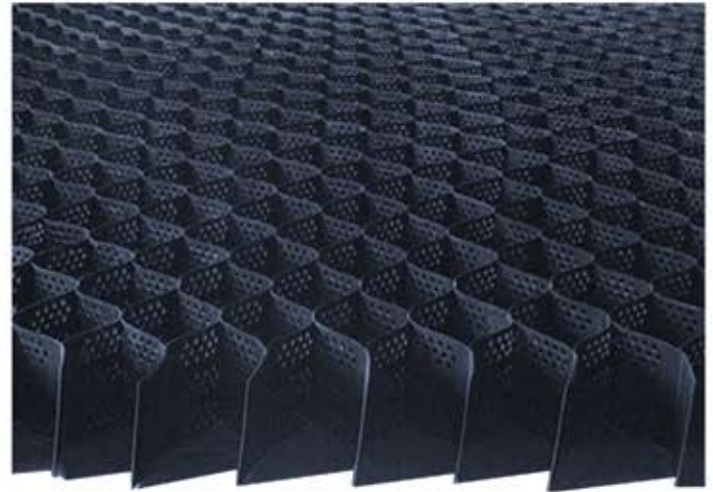
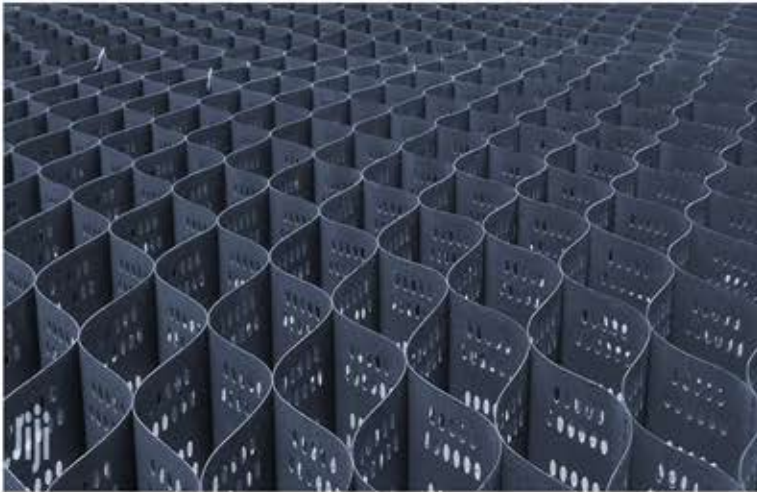




Introduction New of stabilisation & reinforcement with **ARIANCELL**



Geocells are cellular confinement systems that were created as an easy and durable material that are used for stabilizing and protection. Cellular confinement systems effectively maintain the soil's compaction, and, by doing so, create a stronger structure for both the infill and pavement

The cells' three-dimensional, honeycomb design ensures that the Geocell is strong and durable. This format creates a structure that improves load distribution

The cell is made from a high density polyethylene (HDPE), which is used to stabilize weak or unsteady soil. That ability is a result of their ability to reduce lateral movement of soil particles while vertically loading on the contained infill

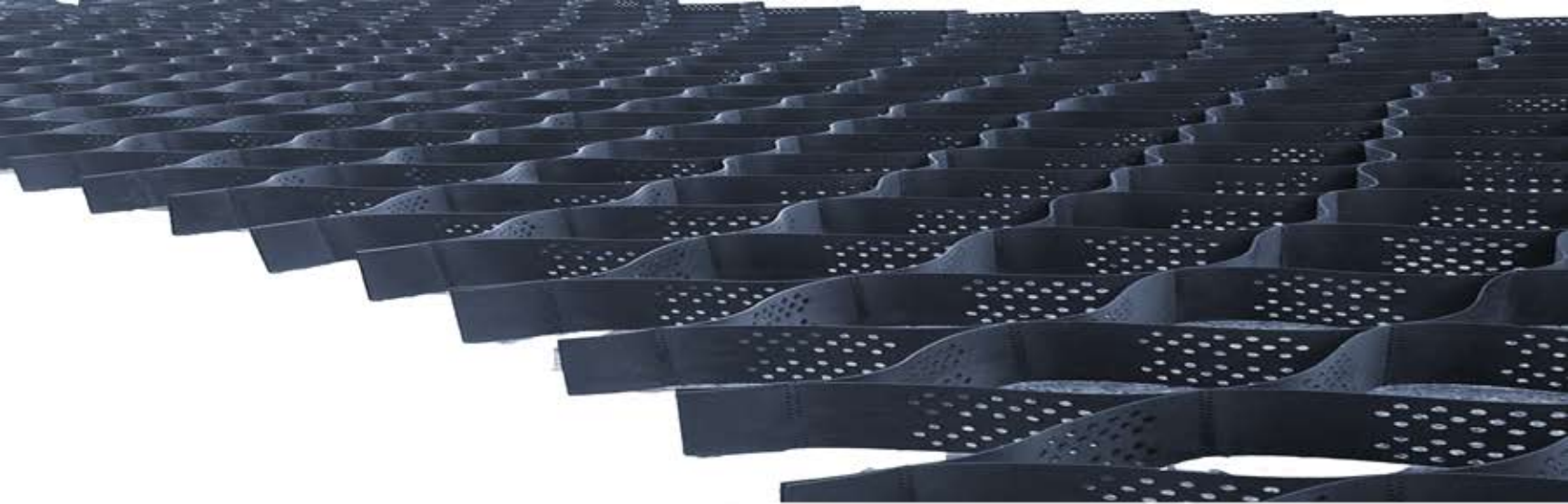
In addition to the stability, Geocells also provide a mattress effect and improve the elasticity of the materials. The cells have a high elastic stiffness and high tensile strength, and because of this, they improve the load distribution of the product

Because of the weight distribution that the cells create, less rutting occurs in the surface materials above. This also reduces the required granular infill. The cells' design allows for the infills to be imported locally, which also enables the use of marginal soil for infill

Typical Applications:

- Soil Stabilisation
- Retaining Walls
- Slope Erosion Control
- Load Platforms
- Tree Root Protection
- Flood Defence






Technical specifications of Geocell:

MATERIAL PROPERTIES	TEST METHODE	UNIT	TEST VALUE		
Polymer Density	ASTM D1505	g/cm ³ (lb/ft ³)	0.935-0.965(58.4-60.2)		
Environmental Stress Crack Resistance	ASTM D5397	hours	>400		
Environmental Stress Crack Resistance	ASTM D1693	hours	6000		
Carbon Black Content	ASTM D1603	%by weight	1.5% minimum		
Nominal Sheet Thickness before texturing	ASTM D5199	mm (mil)	1.27 (50) -5%+ 10%		
Nominal Sheet Thickness after texturing	ASTM D5199	mm (mil)	1.52 (60) -5%+ 10%		
PHYSICAL PROPERTIES	UNIT	TEST VALUE			
Cell Depth	mm (in)	75 (3)	100 (4)	150 (6)	200 (8)
Seam peel Strength	N(lbf)	1065 (240)	1420 (320)	2130 (480)	2840 (640)

 5th Unit , 3rd Floor , No.67 ,27th Alley , JahanAra St. Tehran , Iran

 +9821 - 28426713
+9821 - 88005043

 +98912-0204952

 ARIANKHAK.COM

 [ARIAN.KHAKIRANIAN](https://www.instagram.com/ARIAN.KHAKIRANIAN)

 INFO@ARIANKHAK.COM

