



### Applications

- Embankments
- Paved/Unpaved Roads
- Landfills
- Canal/Reservoirs
- Railways and Ports

## EroWeb® Geocell

The EROWeb® Geocell is a 3 dimensional expandable cellular confinement system of various depths made from HDPE. It is used to confine various infill's and provide stability on slopes and channels. Offers unique, eco friendly solutions for various civil engineering challenges. Engineered for diversity, EROWeb® can be utilised in various sectors such as roads, railways, ports and others. The EROWeb® Geocell is perfect for construction and saving money. They can be filled with locally sourced material, a cost saving, especially in remote locations where aggregates require importation. It can be used for Erosion control; this enables vegetation to re-generate in difficult areas, preventing wash out zones.

The EROWeb® Geocell is also perfect for un-paved roads. This means an access road can be built in most locations during construction zones, and much more economical than building a permeant road structure. It can also be used to reinforce structures, build up the foundation, and as a retaining wall. It can be used for Erosion control; this enables vegetation to re-generate in difficult areas, preventing wash out zones. It is also perfect for un-paved roads. This means an access road can be built in most locations during construction zones, and much more economical than building a permeant road structure. It can also be used to reinforce structures, build up the foundation, and as a retaining wall.

### EROWeb® Specifications

Properties	Unit	Test Method	Values				
Polymer Density	g/cm3	ASTM D 1505	0.935-0.965				
Environmental Stress Crack Resistance	hrs	ASTM D 1693	>5000				
Carbon Black Content	%	ASTM D 1603	min. 1.5				
Nominal Sheet Thickness	mm	ASTM D 5199	min. 1.52				
Material	Compound of various Polyethylenes and additives						
Texture	Polyethylene strip consists of a multiple rhomboidal indentations over the entire strip area on both sides of the strip. The indentations have a surface density of 22 to 32 per cm <sup>2</sup>						
Perforations	Polyethylene Strip is perforated with horizontal rows of maximum 10 mm diameter holes. Cell perforations are is less than 12% of cell surface area						
Cell/Section Properties							
Weld Spacing	mm	-	445				
Cell Depth	mm	-	75, 100, 125, 150, 200				
Expanded Cell Dimensions (+3%)	Width - mm	-	320				
	Length - mm	-	287				
Expanded Cell Area (+3%)	m/s	-	460				
Nominal Expanded Section (+3%)	Width - mm	-	2.56				
	Length - mm	-	8.35				
Nominal Expanded Section Area (+3%)	m <sup>2</sup>	-	21.4				
Seam Properties			Cell Depth				
Seam Peel Strength (EN ISO 13426-1, Method B: Peeling Test)	mm	-	75	100	125	150	200
	N	-	1065	1420	1775	2130	2840