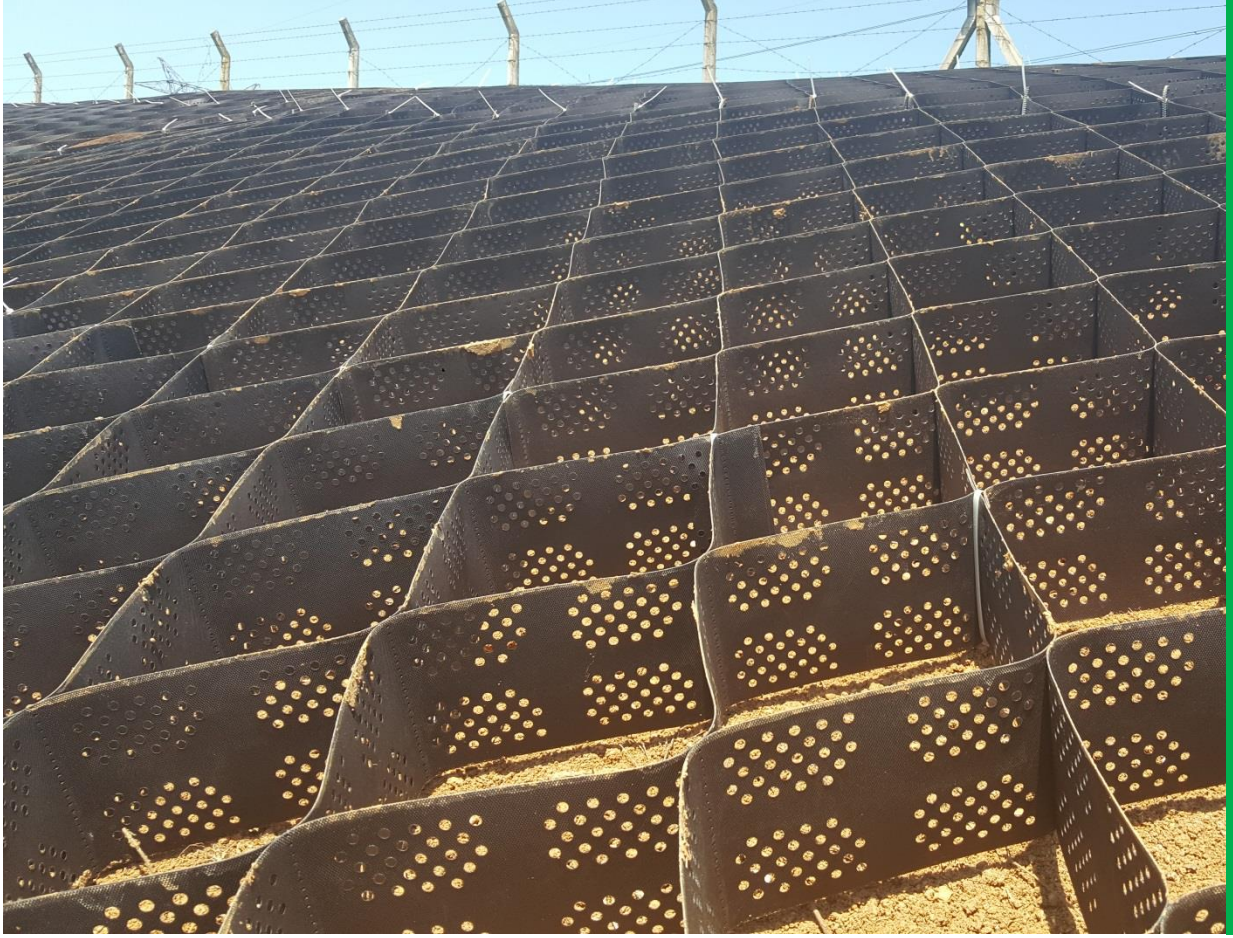


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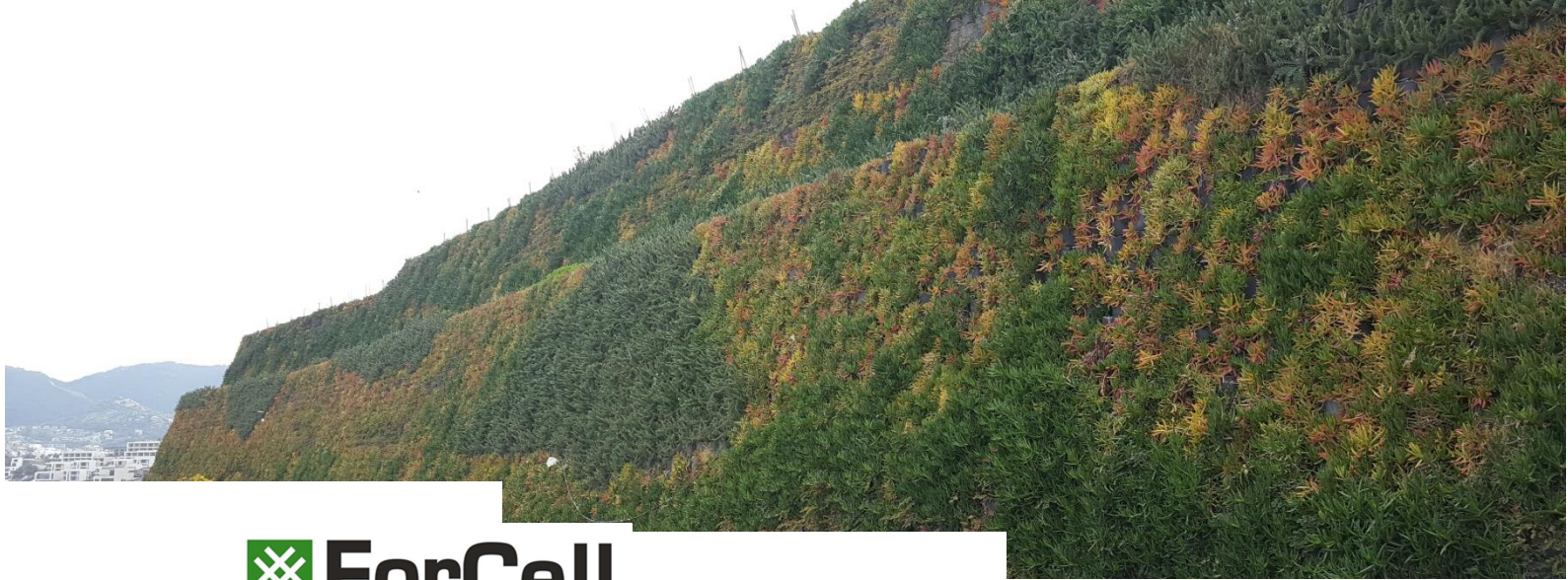


ForCell

Cellular Confinement System

ForCell is 3D geosynthetic material which has honeycomb shape cells composed of PE welded perforated strips allows drainage between neighbour cells

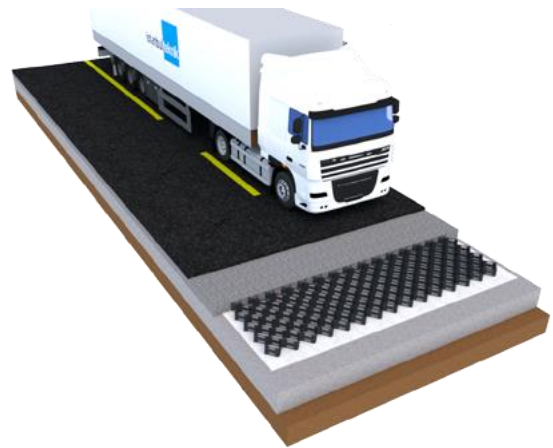
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SOIL REINFORCEMENT

Cellular Confinement System provides superior ground reinforcement under roads, railways, runways, access roads, military passageways, pavements and walkways. It provides significant savings in filling cost by reducing the thickness of the foundation to be used.

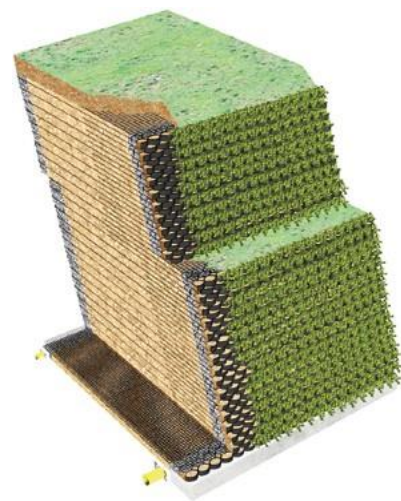
- Stabilized Drainage Layer
- Permanent and Temporary Transportation Routes
- Poor Ground Reinforcement
- Sports and Playgrounds
- Military Crossing Roads
- Road and Railway Foundations
- Controlled Filling Applications
- Embedded Building Foundations
- Parking lots
- Bicycle and Pedestrian roads.



RETAINING WALLS

Green walls can be manufactured by filling the cells inside with vegetative soil and stabilized material. GeoArme ForCell walls are retaining walls, which can be manufactured with geogrid reinforcements and GeoCell facing unit. Geogrid reinforced earth walls show excellent performance against earthquakes, unlike conventional reinforced concrete walls.

- Steep Slopes
- Road and Railway Expansion
- Embankments
- Sound Barriers
- Sports Fields Expansion
- Green Retaining Walls
- Open Canal Walls
- Coastal Protection Structures
- Culvert Walls

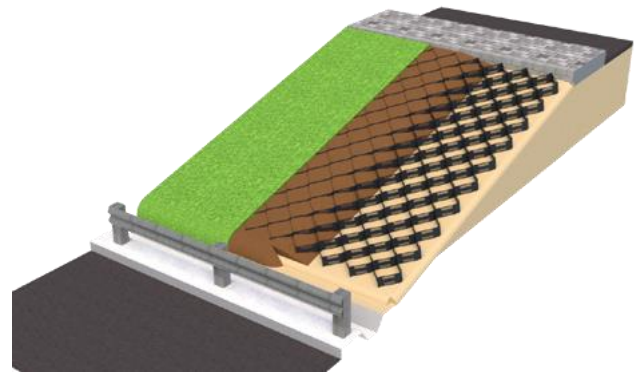




EROSION CONTROL

Erosion Control Products are used to prevent surface erosion that may be caused by wind and water before planting on slope surfaces.

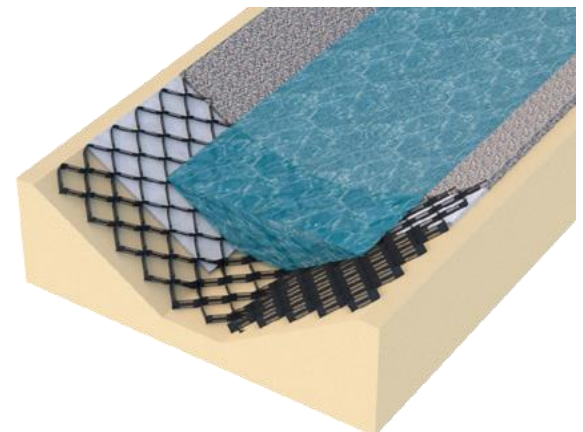
- Cut and Fill Slope Surfaces
- Ditches and Pits
- Coastal Protection Structures
- Culvert / Tunnel Outlets
- Waste Storage Areas
- Landscape Applications
- Aesthetic Stone Applications
- Road and Railway Slopes



HYDRAULIC STRUCTURES

Cellular Confinement System offers economical and safe solutions in hydraulic structures such as open canal, streams, ponds, and dams. The cellular filling system, which can be filled with soil, gravel and concrete, is protected against the destructive effects of water.

- Flood Canals
- Streams slope
- Ditch and Drainage Pits
- Coastal Protection Structures
- Culvert Outlets
- Dam Surface and Spillways
- Protection of Bridge abutment
- Transmission Canals
- Water Retention Structures



Small Cells	Medium Cells	Large Cells
330/75	440/75	660/75
330/100	440/100	660/100
330/150	440/150	660/150
330/200	440/200	660/200
330/300	440/300	660/300

Properties	T	B	E	
330	250 cm ²	250 cm ²	250 cm ²	Cell Area
440	455 cm ²	455 cm ²	455 cm ²	Cell Area
660	1000cm ²	1000cm ²	1000cm ²	Cell Area
Thickness (mm)	1,5±0,1	1,4±0,1	1,3±0,2	
Streep Tensile Strength (kN/m)	25	21	17	EN ISO 10319
Perforated Strip Tensile Strength (kN/m)	15	12,6	10	EN ISO 10319
Shear Strength at Joint (kN/m)	22	22	17	EN ISO 13426-1 (A)
Peel Strength at Joint (kN/m)	9	9	9	EN ISO 13426-1 (B)



Maintaining stable track conditions is essential for the safety and efficiency of train operations. However, ballast degradation can lead to speed reductions, track downtime, and costly maintenance and repairs.



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