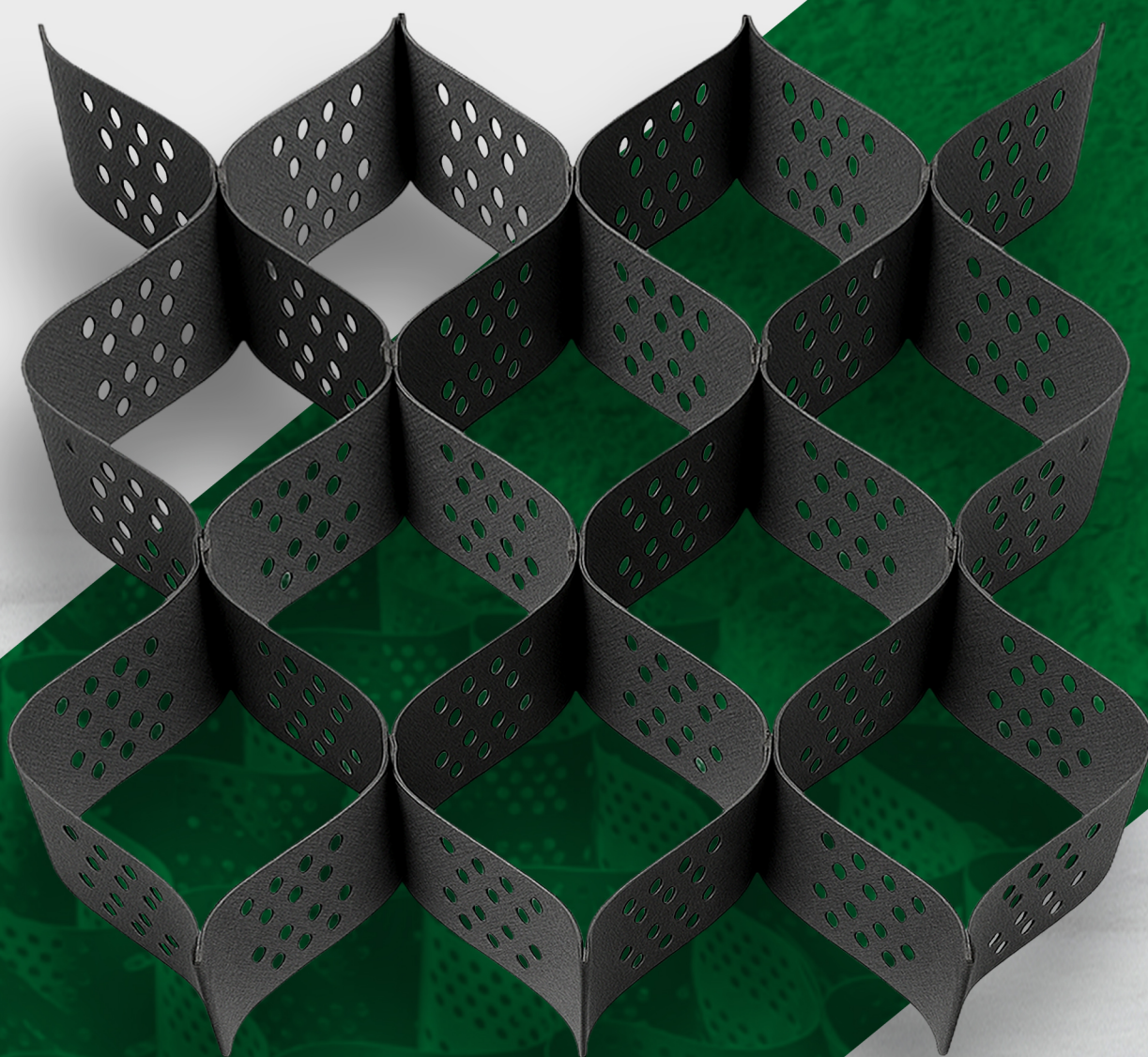


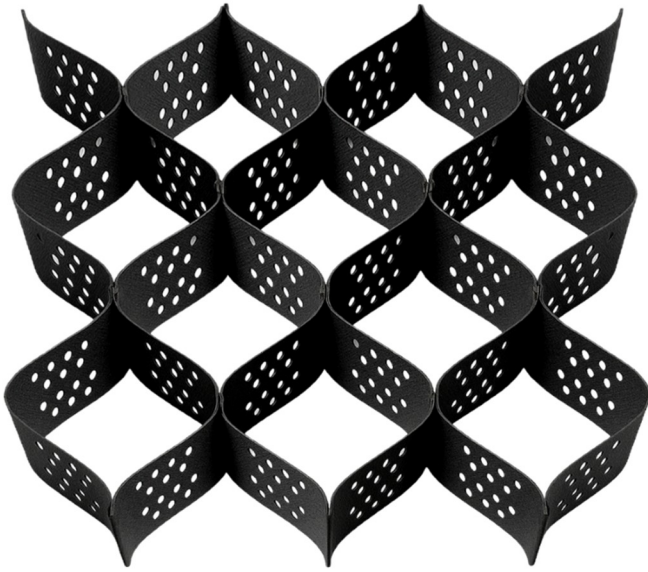


SOLIDCELL[®]





SOLIDCELL®



WHAT IS SOLIDCELL?

SolidCell is a three-dimensional cellular confinement system, honeycomb-like structure, made from HDPE.

It is used to improve soil strength, load distribution, and erosion control.

- Made from High-Density Polyethylene (HDPE)
- Resistant to UV, chemicals, and weathering
- Available in different cell depths and thicknesses

KEY FUNCTIONS OF SOLIDCELL

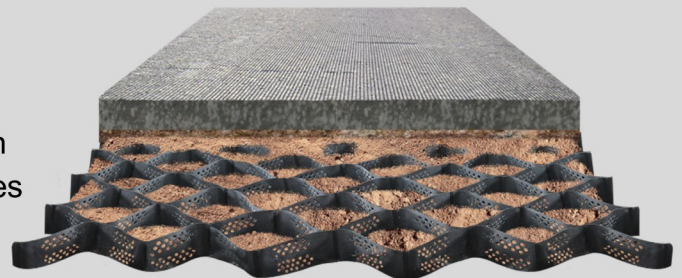
- Soil confinement and stabilization
- Load distribution
- Erosion control
- Slope and channel protection

BENEFITS OF USING SOLIDCELL

- Improves bearing capacity
- Reduces aggregate thickness
- Cost effective solution
- Fast and easy installation
- Environmentally friendly

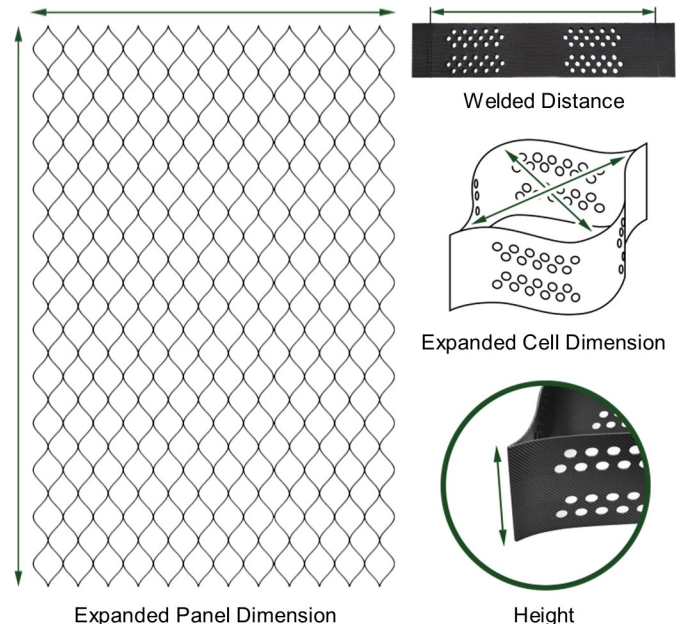
APPLICATIONS

- Road base and access roads
- Detention basins
- Slopes and embankments
- Erosion prevention
- Channel lining
- Retaining structures

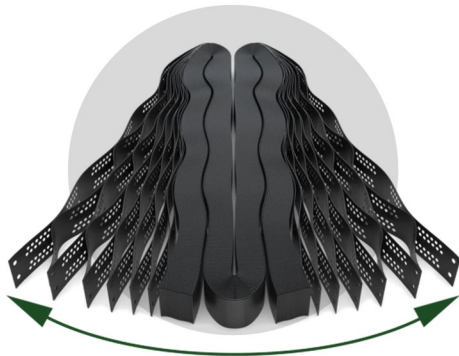


PRODUCT SPECIFICATION

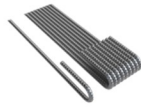
Welded Distance	445	500	660
Material Composition	HDPE		
Color	Black		
Sheet Thickness	1.5mm		
Expanded Cell Dimension	330 x 287mm	370 x 310mm	490 x 410mm
Expanded Panel Dimension	5.76 x 4.3m	5.92 x 4.65m	5.85 x 6.15m
Height	100, 150, 200mm		



INSTALLATION OVERVIEW



Tools, Equipment & Materials:



J-Hooks
200mm



Cable Tie



Plate
Compactor



Walk Behind
Compactor



Rope
(Slope)



Plier Stapler
(Optional)



Geotextile
(Optional)

1. SITE PREPARATION

Clearing, grading and leveling the subgrade.



Road



Slope

2. EXPANSION, FASTENING & ANCHORING

Secure the SolidCell panels to the top anchor piles. Fasten with the clips, zip ties, or staples. Tension them in the correct direction to keep them flat.



Anchoring



Tensioning (Road)



Tensioning (Slope)

3. FILLING OF SOIL OR AGGREGATES

Any of these infill materials: (Soil, sand, gravel, crushed stone, crushed concrete, etc.) can be placed inside a SolidCell to create a stable, load-bearing structure.



Road



Slope

4. COMPACTION

Proper compaction locks the infill within the SolidCell, creating a strong and stable system.



Road



Slope