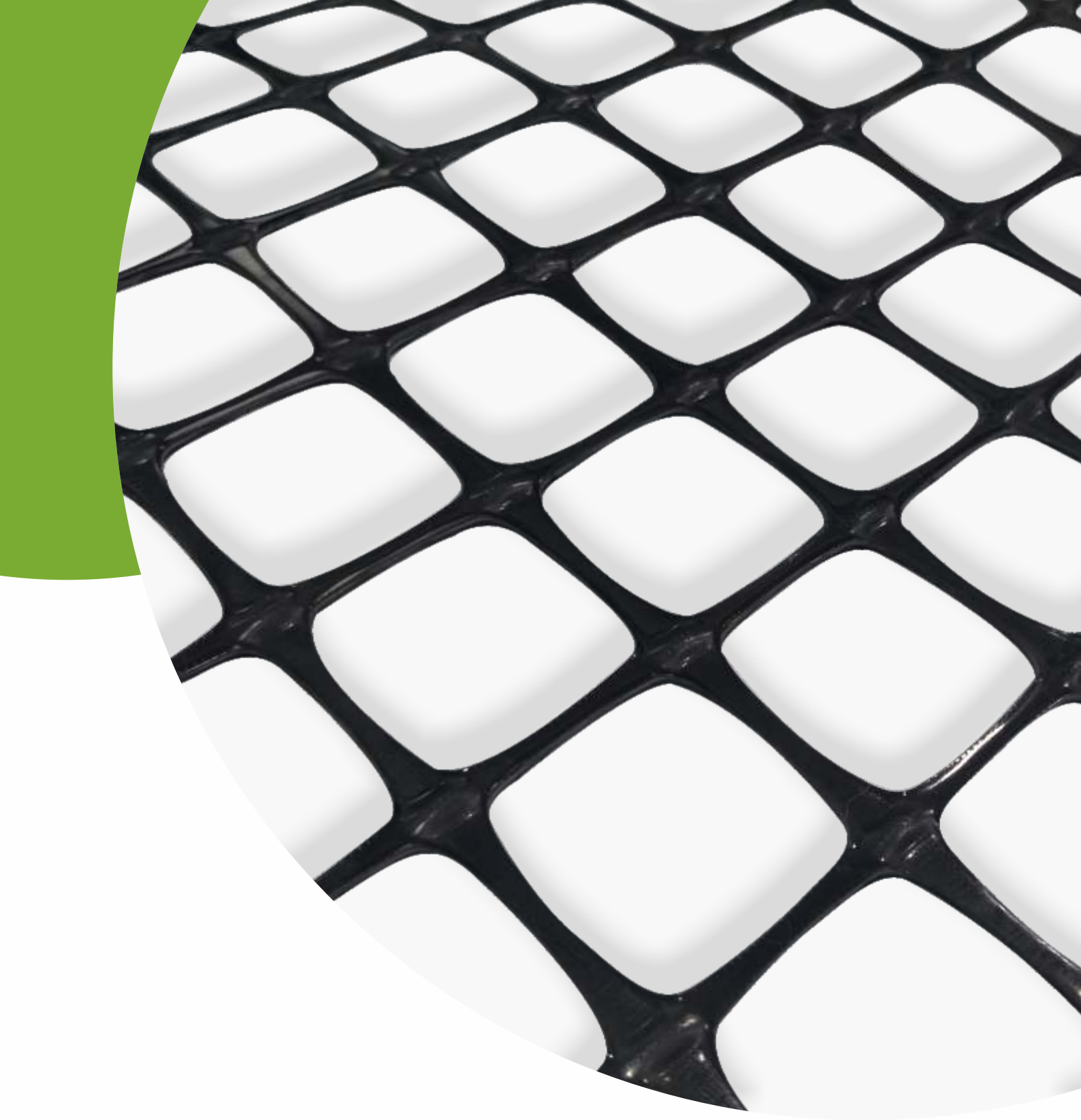
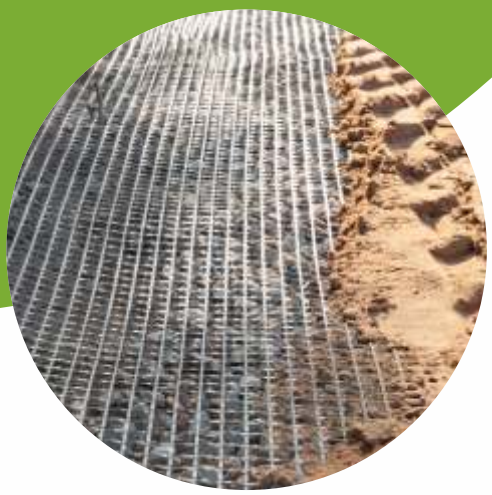


Jeevan
Ecotex
Sustainable Weaves

EcoGrid

EcoGrids are primarily used in various applications for civil engineering and mining like soil stabilization,reinforcement, amongst others. EcoGrids are mainly two-dimensional and can be provided in soft or hard forms



Properties

EcoGrid PP is a family of integrally formed biaxial geogrids manufactured from superior grades of polypropylene using precisely controlled punching and drawing processes. Stringent controls on raw materials and manufacturing process ensures a high-quality product with consistent geometry, integral junctions, superior mechanical properties and excellent durability.

- High tensile strength
- High tensile modulus
- Excellent durability
- High junction strength
- High aperture rigidity
- Consistent & assured quality

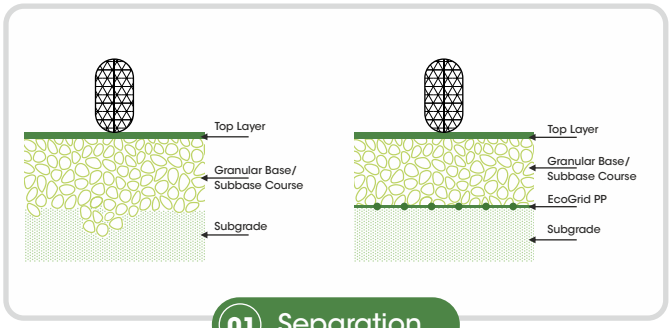
Biaxial Specification

Available Width	Upto 4Mtr
Quality	15/15KN 60/60KN
Apextime Size	From 28mm -65mm

Uniaxial Specification

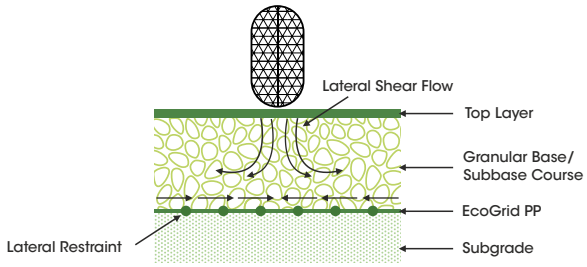
80/900/30 140/200/30
Width - 2 Mtr

Functions



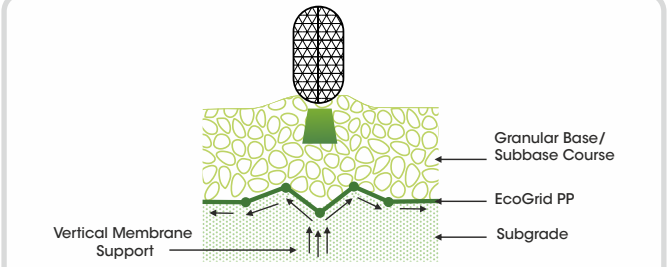
01 Separation

The EcoGrid, when placed between two dissimilar materials, avoids their mixing and maintains their integrity and functionality.



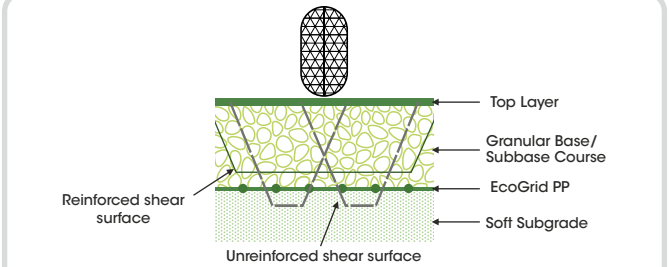
02 Lateral Restraint

The EcoGrid develops tensile forces that maintain high stiffness in the granular material by effectively controlling cyclic load-induced laterial deformations.



03 Interlocking

The gravel gets interlocked within the EcoGrid aperture thereby avoiding displacement.



04 Enhanced Bearing Capacity

The EcoGrid provides an increased bearing capacity margin of safety by intercepting the potential failure surfaces that develop under vertical loads.

Benefits

- Functions as a separator - preserves the designed thickness and integrity of granular layers placed over weak soils
- Acts as a working platform underlying over weak soils by supporting the load of construction equipment, preventing excessive deformation of subgrade and facilitating proper compaction of overlying granular layers
- Enhances the structural performance of granular subbase and base courses in unpaved roads as well as in flexible pavements for roadways & airfields
- Improves the performance of ballast and sub-ballast/blanket layers of railway trackbeds
- Strengthens the foundations of hard standages, factory and warehouse floors and storage areas
- Improves the performance of load transfer platforms over pile/column supported embankments
- Span voids in subsidence prone areas such as regions affected by mining activity and sink holes etc
- Prevents surficial slope failures when used as secondary reinforcement

Application

- Roadways
- Railways
- Ports
- Airfields
- Working Platforms
- Flexible Pavements
- Load Transfer Platforms
- Hard Standages / Floorings
- Minings Projects

Subgrade

Existing Railways Tracks

R.E Wall

Reinforced earth wall

About Us

Jeevan Ecotex is a leading manufacturer of technical textile with state-of-the-art manufacturing facilities at multiple locations. It is an ISO 9001: 2015 certified company, providing customised solutions.

Why Jeevan Ecotex

We are uniquely placed as the only major geosynthetics player with in-house installation capabilities and our own manufacturing unit. Other advantages are –

- Strong brand association with reputed clients
- Continuous online monitoring of production
- Traceability with no human errors
- Products customised as per requirements
- Cost friendly & environment friendly manufacturing methods

Jeevan Ecotex Private Limited

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