



Jeevan
Ecotex
Sustainable Weaves

EcoNet

EcoNet is a geosynthetic material like a mesh structure which consists of overlapping sets of ribs at a permanent angle (60°- 90°) to create equal holes of 10 – 200mm for in-plane drainage of liquids or gases. The apertures are diamond shaped and are also known as Ecospacers.

Jeevan EcoNets are an extruded three dimensional bi-planar core and are made from virgin high density polyethylene (HDPE) for enhanced flow under high loading.



Functions

With its multifunctional structure, EcoNets are widely preferred in the construction industry globally



Drainage

Typically, EcoNet products are used in all applications that require drainage or collection of gas and leachates (mining and landfill) and filtering the sediments in these liquids.



Erosion Control

EcoNets are used for erosion control where the ribs act as small check dams to slow down the surface runoff, and drainage layers where the water flows along the EcoNet because of large thickness. They are used at road construction as a surface course for both rehabilitation and new construction.



EcoNet



**EcoNet composite on
both side non woven**

Specifications

Thickness	4mm onwards
Width	Upto 2 mtr, 5 mtr, 7 mtr, 8 mtr and 12 mtr

Common uses of EcoNet



As a layer to
drain off water
behind retaining
walls



As a blanket for
drainage beneath
the surcharge fill and
building foundation

Design Properties

- ✓ Wide width tensile strength
- ✓ Apparent opening size (aos)
- ✓ Permeability
- ✓ CBR puncture resistance
- ✓ Grab tensile strength & elongation

Benefits



Durability

Each of these functions over years need highly specific textile performance characteristics and durability, the key requirement, is met.



Efficiently

Many applications require several functions to be met simultaneously. EcoTextiles do the job well.



Cost Saving

Geotechnical solutions turn out to be very cost effective with their efficiency and durability.

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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