

Jeevan
Ecotex
Sustainable Weaves

EcoMattress

EcoTextile Mattress is a three dimensional permeable flexible formwork made with high strength EcoTextile. It is made of bonded filament and can be filled with concrete mortar or sand slurring depending on the application.

Sand filled mattress is designed for high-velocity river protection. This is a flexible Erosion Control System that utilizes filtercloth as pockets for granular infill materials. Its mobility and effectiveness have made this erosion control system the most popular erosion control product in wet areas. After installation, it provides instant and permanent Embankment Protection while bringing in a green aesthetic look with vegetation.

Jeevan Ecotex is one of the biggest Indian Sand Filled Mattress Manufacturers that provide effective Embankment Protection solutions



Applications



Flood mitigation channels and protection works



Protection of the sea-bed around jetties



Navigational canals and waterways



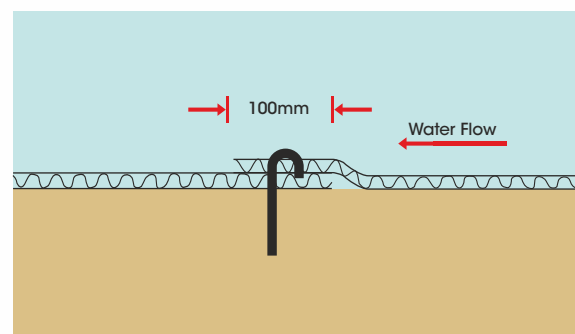
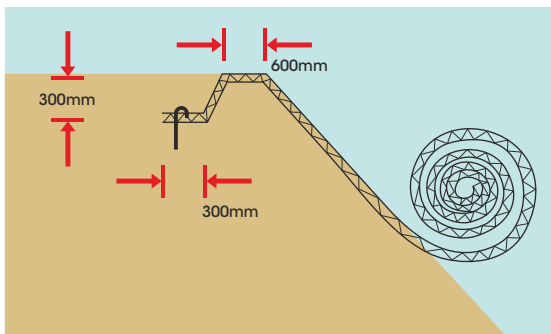
Riverbank protection

Functions

- ✔ Prevents erosion and repairs existing problem as it stays on top of the problematic surface
- ✔ Dissipates the surge of hydraulic pressure when soil is susceptible to slumping under wave action
- ✔ Economically solving river bank and estuary bank erosion problems by replacing the expensive or unsightly concrete faced systems

How EcoMat is Installed

- ✔ Cleaning ground surface of the site
- ✔ Anchoring the EcoMat at the top of the slope and at the toe
- ✔ Unrolling it parallel to the slope
- ✔ Overlapping the geomat as specified on the design drawing and anchoring it
- ✔ Pumping sand slurry in it



EcoMattress

Design Parameter

- ✔ Peak height 33cm
- ✔ Spacing 35cm
- ✔ Width 3.85 m (flat without filling)
- ✔ Length 40m
- ✔ Colour - green on exposed side

Design Properties

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

Benefits



Easy and rapid transportation and installation. Strong, flexible and lightweight, so it can be easily transported to site and does not require much skilled manpower.



Highly economical because of its inexpensive polymeric material and less complex installation.



Saves time because it is installed very simply, allows easy construction, and thus the project is completed quickly.



Replaces shotcrete slope protection engineering method with a more environment friendly method.

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 nonwoven player with in-house R&D capabilities and multiple manufacturing units in Maharashtra, India. Other advantages are

- Strong brand association with reputed clients
- Continuous online monitoring of production
- Products customized as per requirements
- Cost-effective environment-friendly manufacturing
- Fast turnaround times

Jeevan Ecotex Private Limited

1109/B, Kailas Business Park, Kailas Complex, Park Site, Vikroli Powai Link Road, Powai, Mumbai - 400 079.

☎ +91 22 4971 3715 / +91 7045909371

✉ sales@jeevanecotex.com

🌐 jeevanecotex.com