



Erosion Control Blankets Biodegradable

•Slope Protection • Drainage Swales •Mulch Protection •Dune Conservation •Grass Spillways

EESA Pty Ltd distributes a range of comprehensive and technologically advanced erosion control systems to stabilise soil erosion and reduce sediment loss. Environmental awareness and the rising cost of erosion damage have become serious considerations in all development projects and land management practices. Erosion reduces the productivity of our land and the subsequent sedimentation chokes our waterways and ruins precious wildlife habitats. EESA Pty Ltd is proud to offer the most cost effective and innovative range of erosion control products, design software and technical advice to assist engineers and contractors to meet statutory regulations.

Erosion Control Blankets Can Be Used For:

- Road Embankments
- Bio Engineering
- Soil Erosion Control
- Capping Land Fills
- Mining and Wastelands
- Stream Bank Stabilisation
- Gold Courses
- Landscaping
- Ski Slopes and Ski Lift Tracks
- Re-vegetation
- Shoreline Stabilisation
- Roof Greening





The primary function of an Erosion Control structure is to control temporary erosion (caused by precipitation and run off) until vegetation is established. A secondary function is to promote germination of the seed by maintaining moisture and temperature, which is critical for seed germination.

Ground protection - at the most vulnerable stage, unvegetated surfaces in conjunction with an ECB are protected from water and wind erosion preventing gullyng and loss of topsoil. Rain and water run-off effects are considerably reduced.

Seed protection - newly planted seeds are protected against wind, rain and native wildlife.

Moisture retention - rain water run-off is minimised and soaks through the blanket and allows soaking of the underlying soil: prolonged capillary storage improves seed germination.

Erosion Control Blanket (ECB's) is an ideal reinforcement mesh for spray seed and bituminous applications such as slope and swale drain revegetation. Recycled timber chip mulches can be reduced considerably in depth by pinning jute mesh over the top to hold in place. The inherent properties of jute fibres make this product suitable for use in all climates.

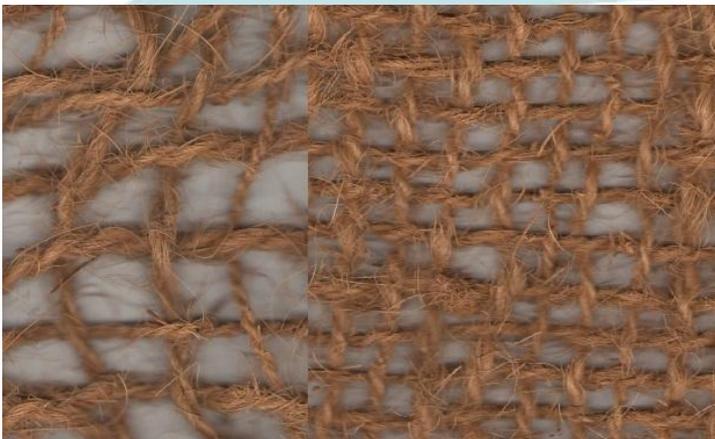
These 100% organic ECB's are manufactured entirely from jute fibres. Being organic, it is totally biodegradable therefore leaving no synthetic coverings, glue or coarse components to "catch" during installation. With the ability to enhance water filtration whilst protecting topsoil, Jute mats is the simplest, safest and most cost effective method of promoting new growth on slopes and embankments.

The life expectancy of an ECB is between 10 months and 5 years depending on the degradable component. ECB's are generally limited to temporary application areas where unreinforced vegetation is sufficient to provide adequate long-term erosion protection, usually at low velocities and low shear stresses.



JUTE MATTING

Made 100% from needle-punched organic Jute, Jute Matting creates an effective, short term solution to erosion control. Being organic, it is totally biodegradable therefore leaving no synthetic coverings, glue or coarse components to “catch” during installation. At approx. 6mm thick, Jute matting holds a density of 620gsm per m², making it ideal for plant establishment. It provides an effective weed barrier, whilst having the ability to maintain trees or shrubs. It is effective in water retention, with up to 90% of water penetrating it’s surface, releasing water to the soil, and can keep soil at a moderate temperature. Jute matting is the most simplest, safest and cost effective method of promoting new growth on slopes and embankments.



COIR NETTING

Coir Netting is a valuable blanket created of coconut fibres, featuring a robust structure, providing the mechanical strength needed for slope stabilisation in the wet tropics. Coir has the long-lasting ability to retain up to 40% of moisture and nutrients within the soil, acting as an effective buffer to enhance vegetation. It is effective in breaking up heavy rain run-offs, and dissipating the energy of flowing water and wind.

Coir Netting comes as either 400gsm (Coir4) or 700gsm (Coir7). A heavier grade of 900gsm (Coir9) is available on special request.



RETAINING PINS

Available as 150mm x 150mm (Box 500) for harder ground and more stable, level slopes or 300mm x 150mm (Box 300), for softer ground and steeper slopes. Please see EESA Pinning Guide for more detailed information.

	Jute Matting	Coir 4 (400gsm)	Coir 7 (700gsm)
Life Expectancy	Up to 12 months, depending on application, weather	Up to 60 months	Up to 60 months
Application	3H:1V - 2H :1V Low to moderate flow channels where weed control is desired with stock tube planting	1H : 1V and greater slopes and high flow channels where grass is required	1H : 1V and greater slopes and high flow channels where groundcover or tubestock is required.
Flow Rate	2m/s	3m/s	3m/s
Size Roll/Bundle	1.83m x 25m	2m x 20m	2m x 25m