

Unleashing Nature's Potential

Technical Data Sheet

<i>Product code and Product</i>	
PRODUCT NAME	Easy Grow Coir Mesh Matting Roll®
PRODCT CODE	COIR60050101

Product

Easy Grow Coir Mesh Mattings Rolls are made of pure coir, drawn from the husk of the coconut without adding any synthetic material, and are a 100% natural product. It is used as a Blanket to prevent soil erosion, accelerates growth of vegetation on banks and slopes. The distinctive feature compared to conventional geo textiles is that it is used for soil stabilization, reinforcement, and landscaping and erosion control. Coir fibre is naturally resistant to rot, moulds and moisture, it needs no chemical treatment. Hard and strong, it can be spun and woven into matting. They also have the right strength and durability to protect the slopes from erosion, while allowing vegetation to flourish. They can dissipate the energy of flowing water and absorb the excess solar radiation. Geotextiles have been used for thousands of years. Geotextiles were used in roadway construction in the days of the Pharaohs to stabilize roadways and their edges. A geotextile is defined as any permeable textile material that is used with foundation, soil, rock, earth, etc to increase stability and decrease wind and water erosion. A geotextile is designed to be permeable to allow the flow of fluids through it or in it, and a geo membrane is designed to restrict the fluid flow.

Product Advantages

- 100% Natural Fibber, Biodegradable and environmentally friendly
- Temporary soil covering until re-vegetation starts
- Variable sizes
- Shield against wind or water erosion
- Can be laid on high gradients
- Re-enforce soil
- High Tensile strength
- Stopper of composed material, seeds & seed links
- Eco Friendly
- Enhance water draining
- Can absorb water, allowing re-vegetation in low rain areas
- Improve quality of soil
- Easy to install / Maintain / Path-up

Product Application

Easy Grow Coir Mesh Mattings use will sometimes mask slope failures until erosion is too far advanced to effectively and cheaply remediate the slope. When advanced erosion is detected it means costly restoration. In contrast when a hydro seeded area has crust failure, whether from weather, human or animal activity, the damage is visible early and can be cheaply repaired. Erosion control covers a variety of conditions from high velocity stream flow to heavy wave action, to less severe conditions. All conditions should be considered before selecting a method of control. Natural fibre geotextiles degrade to form organic mulch and help in quick establishment of vegetation. Coir geotextiles degrade in 2-3 years while jute degrades in 1-2 years. Coir is therefore useful in situations where vegetation will take longer to establish. In many arid and semi-arid areas the action of the wind causes considerable erosion. Geotextiles made from natural fibre such as coir, or jute can be used for wind erosion control, dust control, sand dune formation and stabilization.

Product Usage

- Stream bank stabilization
- Shoreline protection
- Wetland mitigation
- Channel edge liner
- Wildlife habitats

Storage and Disposal

- Conditions for safe storage, including any incompatibilities
- Technical measures: Comply with applicable regulations.
- Storage conditions: Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
- Incompatible materials: Strong acids, strong bases, strong oxidizers.

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Contact Us

PREMIER HORTICULTURAL PRODUCTS (PVT) LTD

38/25, Anniewatte, Kandy, Sri Lanka

P: +94 (0) 81 316 4880

M: +94 (0) 77 161 8061

Email: enquiries@premierhorticulture.lk