CoirLogs

fibromat®
EROSION CONTROL PRODUCTS
natural solutions

CoirLogs – 100% Natural Coir (Coconut) Fiber Logs for:

- Stream bank Stabilization
- Channel Stabilization
- Riverbank Stabilization
- Wasteland Restoration
- Wildlife Habitat Re-vegetation
- Erosion Control

CoirLogs are 100% natural, biodegradable, coconut fiber logs in cylindrical shape, covered in coir fiber net or synthetic netting for bioengineering solutions for bank erosion problems. CoirLogs last 7 to 12 years providing safe, natural growth medium for plants and act as root support system. It naturally biodegrades and protects the bank until trees and other plant root bindings develop natural protection. CoirLogs provide natural solution that is ecologically safe and aesthetically pleasing.

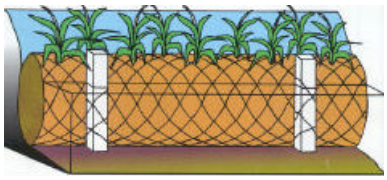
Application Brief

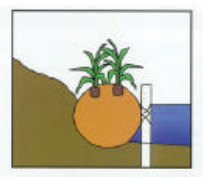
CoirLogs have been successfully used to tackle many ecological challenges.
Some of the typical applications were outlined belows:

1. River Bank Protection
CoirLog can be installed in one stack or multiple stacks coupling with Turf Reinforcement Matrix (TRM) to provide an ecologically sustainable riverbank erosion control system. A good habitat for fishes can be established behind the CoirLog system.

2. Silt Check Applications
CoirLog can be installed in one stack or multiple stacks coupling with Turf Reinforcement Matrix (TRM) to provide an ecologically sustainable riverbank erosion control system. A good habitat for fishes can be established behind the CoirLog system In road construction and other infrastructure developments, solutions against wash down of silt caused by extensive erosion of bare slope has been a continuous challenge to Engineers. An effective and astetically pleasing solution is to place CoirLog alongside of the bare slope at about 3m to 4m apart and firmly secured with timber stake.

- To reduce the flow rate of surface runoff
- To collect flowing silt
- To create leveled platform for vegetation growth
- To act as silt and sediment trap device
- To provide resistance to shear stress induced by the flow
- 100% Biodegradable natural compressed coconut fibre
- Relatively slow decomposition rate (7 to 12 years) and good moisture-retention properties.
- Coir Log can be seeded to allow plant growth
- Planter hole can be created

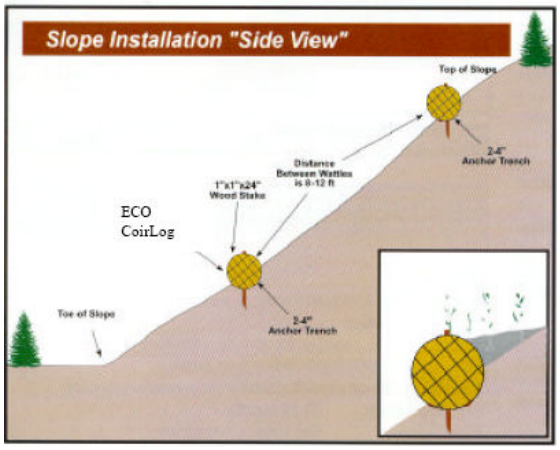




SPECIFICATIONS

CoirLogs shall be made of 100% natural, biodegradable, compacted coir fiber and bound together with coir or synthetic netting.

Item	Properties	Specifications					
1	**Type**	**CoirLog 10**	**CoirLog 20**	**CoirLog 30**	**CoirLog 40**	**CoirLog 50**	**CoirLog 60**
2	Composition	100% coir fiber	100% coir fiber	100% coir fiber	100% coir fiber	100% coir fiber	100% coir fiber
3	Log diameter,mm	100	200	300	400	500	600
4	Density, kg/m	1	4	9	15	22.5	33
5	Standard Length,m	1,3 or 6	1,3 or 6	1,3 or 6	1,3 or 6	1,3 or 6	1,3 or 6



CoirLog helps to reduce the flow rate of surface runoff and collect flowing silt.

CoirLog can be placed in such a manner to create partition of ponds for farming purposes.

CoirLogs can be equipped with prefabricated planting holes.

CoirLogs trap the downslope sediment, minimizing siltation at toe of slope.

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