

Hy-Tex CoirLog & CoirPallet Water Margin Protectors



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Hy-Tex (UK) Limited
Committed to Quality, Value & Service

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Hy-Tex *CoirLog* and *CoirPallet* biodegradable, coconut fibre bio-roll and mattress substrates work in harmony with nature, to protect and support banks, and shorelines, while promoting restoration of wetland environments.

Erosion Control The dense coir fibre *CoirLog* rolls dissipate wave energy, protect against water scour, and retain the bank while plants develop.

Similarly, the dense coir fibre *CoirPallet* pads shield the ground from weather and water erosion, and the fine fibre matrix of both substrates also filter out silts and promote sedimentation.

Consequently general water quality is improved through the ability to control erosion and counteract non-point source pollution.

Vegetation Restoration Hy-Tex *CoirLogs* and *CoirPallets* provide an ideal, stable growth substrate for marginally plants - encouraging rapid establishment of plant colonies and healthy root systems.

They are therefore particularly beneficial on projects where no suitable soil medium exists (e.g. steel/timber pile, or gabion, faces and floating islands).

Native plants can be selected for their suitability to physical conditions, the feed and cover offered to aquatic species and wildlife, or aesthetic reasons.

As roots mature to create an effective binding matrix the coir fibre progressively degrades, leaving a vegetation framework for a full wetland community.

Special Features Our *CoirLogs* can be manufactured with pre-formed planting holes to suit pot grown plants or bare root plants from local sources.

Therefore, with this unique system you simply install the rolls remove the protective tube formers and place your plant in the hole. This saves considerable time, overcomes the difficulty of making holes in the dense media, and simplifies transplanting indigenous species.

More significantly, this overcomes the problems of delivery delays, site storage and damage to plants and roots during transportation/installation - commonly experienced when using pre-grown rolls.

Other bespoke solutions are available to satisfy any project requirements. For example, on sites with fluctuating water levels, special coir pith blocks can be incorporated into the *CoirLogs* to enhance water retention and therefore reduce minimise stress to plants.

CoirPallets can also be supplied attached to a buoyant framework to create vegetated floating islands for land predator free nesting habitats.

Sustainability Both substrates are made using virgin coir fibre which is a by-product of the coconut industry so is free of contaminants and satisfies important environmental considerations.

Recommended Plant Species

Reed Types for Root Mass:

Glyceria Maxima	- Reed Sweet Grass
Iris Pseudacorus	- Yellow Flag Iris
Juncus Effusus	- Soft Rush
Juncus Inflexus	- Hard Rush
Phalaris Arundinacea	- Reed Canary Grass
Phragmites	- Common Reed
Sparganium Erectum	- Burr Reed
Typha Augustipolia	- Lesser Reedmace
Typha Latifolia	- Greater Reedmace

Other Marginal Species for Variation:

Alisma Planago	- Water Plantain
Caltha Palustris	- March Marigold
Lysimarchia Numularia	- Creeping Jenny
Mentha Aquatic	- Water Mint
Myosotis Palustris	- Water Forget Me Not
Nasturtium Aquaticum	- Water Cress
Lythrum Salicaria	- Purple Loosestrife
Lythrum Flos Cuculi	- Ragged Robin

Specifications	Hy-Tex	
	CoirLog	CoirPallet
Functions	Waterway margin erosion control, stabilisation, and vegetation restoration media.	
Applications	Reservoirs, lakes, canals, rivers, streams and wetlands	
Composition	Compacted coir fibre encased in 50mm knotted coir or polypropylene netting	Semi-compacted coir fibre encased in 50mm knotted coir or polypropylene netting
Density	Compacted at 120 kg/m ³ (i.e. 8.5 kg/m for 300mm diam.)	Approx. 8 kg/m ² at 100mm thick
Sizes	Diameter: 200mm to 500mm (300mm standard) Length: 1.00 and 2.90m	Thickness: Approx. 100mm Length: 1.00 to 2.00m (1.00m standard) Width: 1.00m
Features	Pre-drilled holes at 20cm intervals to ease planting	
Treated softwood stakes also available.		