



PRE-ESTABLISHED COIR PALLETTS

Product Brochure

Salix pre-established coir palletts provide instant, mature aquatic vegetation that establishes rapidly and is instantly effective.

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Salix



Pre-established Coir Pallets

Our coir pallets offer a natural, sustainable solution for stabilising and restoring streams, lake edges and riverbanks. As an organic living revetment, they provide excellent soil erosion control and immediate habitat enhancement.

Available in 1m and 0.5m widths, our coir pallets are supplied fully pre-established with mature native wetland species. We offer a range of species mixes tailored for freshwater and brackish environments, ensuring suitability for various applications and key species.

To guarantee superior performance, our coir pallets are densely planted and grown outside in our wetland nurseries typically for 6 to 12 months, ensuring hardy, well-established vegetation that delivers an instant solution.

We maintain ready-to-use standard plant mixes in stock year-round. For site-specific requirements, we offer custom species mixes on a contract grow basis. Please contact us to discuss your project needs.





Coir Pallets

Coir pallets for vegetation establishment and erosion control



Excellent rhizome growth on mature pre-established phragmites coir pallet at Salix nursery



Pre-established coir pallets on floating raft control



Coir pallets for vegetation establishment and erosion control





**A low carbon,
environmentally
sensitive alternative
bioengineering
solution**

Benefits

Designed for instant and long-term performance, Salix coir pallets provide a range of environmental and practical benefits.

Instant Performance

Our pre-established coir pallets deliver immediate vegetation coverage and can be installed at any time of year, providing water levels allow.

Durability

Coir is a lignin based fibre providing enhanced durability and design life. Once the vegetation colonises and the coir has fully degraded the wetland plants will provide a long term cover.

Enhanced Water Quality

Coir pallets support natural filtration, improving water quality by trapping sediment, while wetland plants provide bioremediation.

Soil Erosion Control

The combination of mature planting within the coir pallets provides excellent cover for exposed soils and the dense root matrix will lock into underlying soils improving soil stability. The mature vegetation slows water flows locally, which can reduce downstream erosive forces.

Carbon Sequestration

Coir fibre is a by-product of the coconut industry, which is a natural carbon sink, absorbing and storing carbon throughout its life cycle. As the coir biodegrades, it will form part of the soil in a wetland environment. Established wetland plants will also fix in large amounts of carbon. Salix's unique method of coir production means pre-established coir products are carbon neutral.

Biodiversity

Coir pallets are supplied with a wide variety of native plant species, these can provide an excellent habitat for small mammals such as water voles, birds, amphibians, invertebrates and fish, increasing the local biodiversity.

Flexible & Easy Installation

Lightweight and versatile, our coir pallets can be easily installed in a variety of environments. They can be anchored using biodegradable wooden fixings.

Custom & Standard Planting Options

Standard species mixes are typically available from stock year-round, while specialist mixes can be contract-grown to meet specific project requirements. Please allow on average 6-12 month lead time for contract grow options depending on time of year.



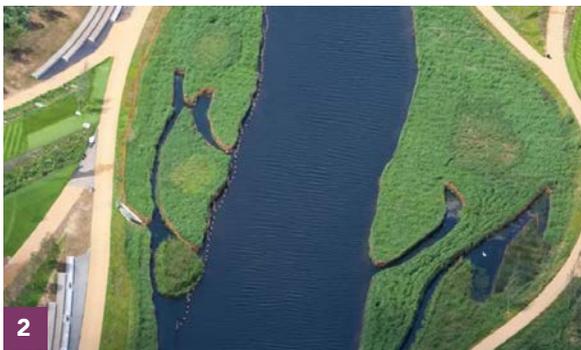


Coir Pallet Applications



1. Habitat Creation

Our specific mixes for protected species such as water voles and newts are carefully selected, providing essential cover and a food source. Pre-established coir pallets are extremely effective for habitat mitigation or creation schemes allowing projects to be delivered on time.



2. Reedbed & Wetland Establishment

Wetlands are essential natural water filtration and flood mitigation systems. Our coir pallets kickstart the vegetation establishment and colonisation of reedbeds and wetlands, which can be difficult to achieve or slow to establish in challenging environments.



3. River Restoration

Used in soil bioengineering and river restoration projects, often in conjunction with coir rolls and fascines, coir pallets installed on berms help reshape or narrow river channels, improving flow dynamics and restoring natural processes.

**Highest quality
products for use in
river restoration**





Applications



4. SuDS

Coir pallets can be utilised on SuDS schemes and urban watercourses. Some schemes are constrained by hard vertical edges to waterbodies. By creating marginal shelves and utilising pre-established coir pallets these spaces can be vegetated to ensure a more natural transition from water to land.



5. Lakes, Ponds and Shorelines

Often used in conjunction behind a coir roll or other revetment, coir pallets provide instant protection and marginal habitat along the perimeter of the waterbody, installed at average water level.



6. Intertidal and Saltmarsh Areas

Coir pallets can be pre-established with brackish species, helping kickstart establishment of vegetation, restoring critical saltmarsh habitat.

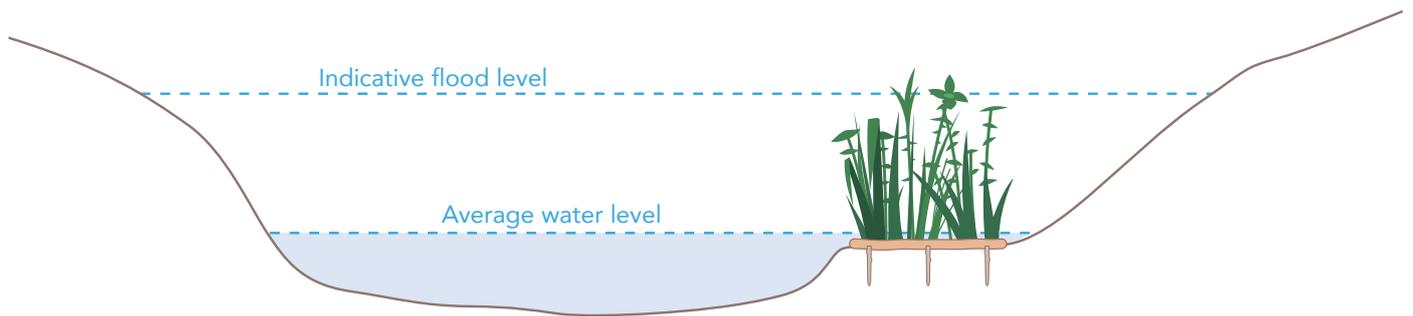




Pre-established coir pallets thriving in-situ



Coir pallets fixing solutions





**Coir is a natural
by-product of the
coconut industry, we
ethically source from a
cooperative of villages
in south west Sri Lanka**



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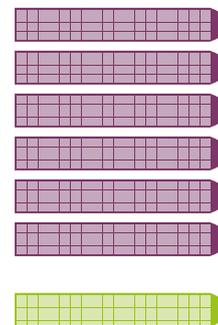
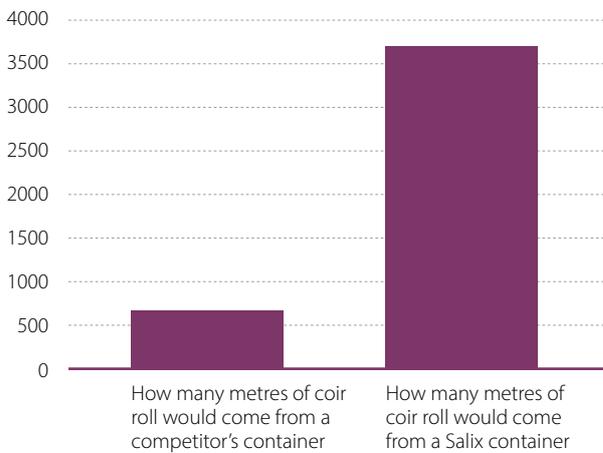


Efficient use of a by-product

80,000 to 100,000 coconuts, picked and processed by hand, which have grown and sequestered CO², fills one container of highly compressed coir fibre (a by-product of the coconut industry).

We source our coir fibre from fully traceable organically managed plantations, which are both sustainably and ethically managed.

We can make up to 3700m of coir products from only one container of highly compressed coir fibre.



For every one of our containers our competitors have to ship up to 6 times the amount!

This is 80-90% more efficient than shipping "ready made-up coir products", where most of the shipping container is air.





Investing in technology

Salix have invested significantly in equipment to “unpack” the compressed coir fibre in the UK (we are the only company in the UK who can do this).

We then manufacture the coir rolls in the UK from the compressed fibre (supported by a 50kW Solar PV array) and plant up our coir rolls & pallets in wetland beds for 1-2 years (we have 800,000 plants currently growing in our rolls & pallets at our 26 acre wetland nursery).





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