



PRE-ESTABLISHED COIR ROLLS

Product Specification

Coir Rolls are an organic living revetment that provide erosion control and rapid vegetation establishment. Salix have developed a range of specific species mixes for use in all types of water bodies.

Coir Rolls are available unplanted or pre-established with mature native wetland plants.

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Salix



Coir roll specification

For erosion protection and habitat creation



Net Specification

Net material: 3 ply machine woven Coir Yarn

Net aperture: square net, 20 mm

diamond net, 65mm

Net Yarn Thickness: 5-8mm machine 3 ply woven yarn

Tensile strength MD to be no less than 14.08kN/m²

Tensile strength TD to be no less than 9.99kN/m²

Fibre Specification

Machine filled to maintain constant density of coir fibre.

Virgin fibres are extra-long and triple cleaned.

"A" grade mix of coir fibre from organically grown coconuts.

Fibres > 50mm length, 58% of fibres are longer than 100mm.

Roll end closed by fixing to a coir ring.

8kg/metre compressed density (based on 300mm diameter coir roll).

Will not compress more than 15% when an 80kg weight (average man) is applied.

Biological Breakdown

Time for coir rolls to full be broken down can be 2-4 years dependent on environmental conditions

Size & Weight

3m x 0.20m Ø (Available with square and diamond net)

- Unplanted weight ~ 17kg (+/- 15%)
- Pre-established weight ~ 37kg (+/- 15%)

3m x 0.25 Ø (Available with square and diamond net)

- Unplanted weight ~ 21kg (+/- 15%)
- Pre-established weight ~ 52kg (+/- 15%)

3m x 0.3m Ø * (Available with diamond net only)

- Unplanted weight ~ 25kg (+/- 15%)
- Pre-established weight ~ 52kg (+/- 15%)

Plant Density – 8-10 plants per linear metre dependent on Coir Roll size.

Standard roll sizes

3m long by 0.2m diameter

3m long by 0.3m diameter

*Coir Rolls will be supplied netted with UV stabilized polypropylene multi filament netting (diamond mesh pattern) in the 3m x 0.3m Ø size

- Roll end closed by stitching with a 3mm diameter multi filament braided UV stabilized polypropylene yarn
- Breaking strength of individual yarn no less than 102kg
- Minimum tensile strength of 0.84kN

Salix can manufacture a variety of lengths to suit site conditions. Unplanted Coir rolls are also available in 0.4m Ø diameter in Coir and PP netting options (Both diamond aperture)

Coir rolls are manufactured in the UK using long virgin mattress type coir fibre.





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Performance:

- Grown in outdoor wetbeds suitable for UK climate
- Grown for a minimum of 6 months
- Roots clearly visible out of bottom of coir
- Coir rolls are established at our specialist UK nursery with a proven track record of growing high quality coir products.
- Coir rolls are planted at a rate of 10 plants per metre and grown in outdoor wet beds.
- Minimum growing period is 6 months during the growing season (March – September).
- Roots of plants are grown through the bottom and sides of the coir roll to ensure correct maturity of vegetation.
- All plants within coir rolls are grown to flora locale code of conduct for UK native plant growers.





Plant Species Selection

Typically contains a mixture of plant species from the list below and will vary depending on availability



Standard Mix

- Carex acutiformis (Lesser Pond Sedge)
- Carex flacca (Blue Sedge)
- Iris pseudacorus (Yellow Flag Iris)
- Juncus effusus (Soft Rush)
- Juncus inflexus (Hard Rush)
- Lythrum salicaria (Purple Loosestrife)
- Phalaris arundinacea (Reed Canary Grass)
- Available with or without Glyceria maxima (Sweet Reed Grass)

Brackish Species Mix

- Sea club rush (Bolboschoenus Maritimus)
- Sea Aster (Aster Tripolium)
- Sea Plantain (Plantago Martima)
- Saltmarsh Rush (Juncus Gerardii)
- Grey Club Rush (Schoenoplectus Tabernaemontanii)

Monocultures

- Phragmites australis (Common Reed)
- Schoenoplectus lacustris (Common Club Rush)

Many other species may be available in stock and if not, they can be contract grown to order

