

Coir Rolls Specification



Manufacture

Coir Rolls are to be manufactured in the UK using virgin mattress type coir fibre and if pre-established using UK native wetland plants from an approved Flora Locale specialist grower.

Netting

Coir roll netting is to be manufactured from UV stabilised polypropylene multi filament net in a diamond mesh pattern 50mm x 50mm aperture. Each yarn should be 2.5mm diameter with a minimum tensile strength of 0.84kN. Each end of the roll shall be closed by stitching with a 3mm diameter multi filament braided UV stabilised polypropylene yarn. Breaking strength of individual yarn to be no less than 102kg.

Stuffing

Coir rolls are to be machine filled in order to maintain constant density of coir fibre. Coir fibre is to be virgin mattress fibre with dust content removed at manufacture stage. Each fibre is to be of no less than 50mm long and be typically 100mm to 150mm long. Coir fibre shall have a compressed density of 8kg/metre (based on 300mm diameter coir roll) and shall not compress more than 15% when an 80kg weight (average man) is applied.

Standard Roll Sizes

3m long by 0.2m diameter
3m long by 0.3m diameter
3m long by 0.4m diameter (need to be contract grown as not standard stock item)
Salix can manufacture a variety of lengths to suit site conditions.

Pre-Establishment of Vegetation

Coir rolls shall be established at a specialist UK nursery with a proven track record of growing high quality coir rolls. Coir rolls shall be planted at a rate of 10 plants per linear metre and grown outdoors in wet beds to create a hardy plant. Minimum growing period to be 14 weeks during the growing season (March – September)

Roots of plants to be growing through the bottom and sides of the coir roll to ensure correct maturity of vegetation. Coir rolls to be grown by an approved Flora Locale native grower.

Coir rolls that do not meet this strict requirement should be rejected from site.

Plant Species Selection

Standard mix

Carex acutiformis (Lesser Pond Sedge) Juncus effusus (Soft Rush) Lythrum salicaria (Purple Loosestrife) Iris pseudacorus (Yellow Flag Iris) Phalaris arundinacea (Reed Canary Grass)

Gravel Bed River Mix

Phalaris arundinacea (Reed Canary Grass)
Juncus effusus (Soft Rush)

Monocultures

Salix grow a variety of monoculture rolls for specific sites including

- 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. Contact Salix for correct species choice.



CONTACT DETAILS

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