

A.G.A. Group

Pre-vegetated Coir Fibre Modules

Sensitive bio-engineering solutions for erosion control, water quality and habitat restoration.



Membrane or clay lined lakes can support a natural stand of vegetation when Pregrown Fibre modules are safely secured to a special fabric covering the fringes of the bank and water.

Vegetated rolls protect the toe of slopes and retain fill material. In cases of deep undercutting, a stable foundation can be established using A.G.A. Rock Rolls, Faggots, Gabions, Geotextiles or RipRap.

Pregrown Fibre Units anchored firmly to gabions, piles, concrete revetments etc. provide a naturalising effect to the stark appearance of a hard structure and offer habitat and access to wild life.

Established wetland plants can withstand reasonable wave impact. Many species will dissipate wave energy through leaf and stem elasticity. Vegetated units calm water, contain the substrate and support vigorous growth.

Proven results are achieved using pre-grown coir modules. Our wetland nurseries at Merton – the UK's largest nursery dedicated to producing pre-vegetated coir – ensures the client of a reliable year round service.

Bioengineering with A.G.A. Coir Fibre Products is the proven approach for effective yet sensitive design and construction. Natural materials and growing vegetation bring together biological, ecological and engineering concepts to vegetate and stabilise eroding banks.

Our modules improve water quality, catch and stabilise sediment and counteract non-point pollution. We continually develop techniques and applications so we can offer Consultants, Landscape Architects and Civil Engineers a whole spectrum of materials and installation methods.

A.G.A. pre-vegetated units support the growth and development of the plants that physically secure the bank or shoreline. Native wetland plants are selected for their adaptation to varied physical conditions and also provide excellent cover for invertebrates, fish and wildlife.

We are the largest growers of pre-vegetated coir modules in the UK.

We have the facilities and experience to grow large areas of commissioned coir based TRM matting delivered with established vegetation ready for the client to install.

Growing coir modules for bio-engineering is our business.

Standard stock planting

Fibre Roll
Mixed planting
6 plants/linea
metre

300mm dia
Iris pseudacorus
Carex acutiformis and
riparia, *Phalaris rundinacea*
Juncus effusus

400mm dia
Iris pseudacorus
Carex acutiformis and *riparia*
Phalaris arundinacea
Juncus effusus

300mm dia ornamental rolls
Iris pseudacorus
Iris kaemferi
Lobelia cardinalis
Caltha palustris flore plena
Scirpus albascens

Plant Pallets
Monocultures of
18 plants/m²

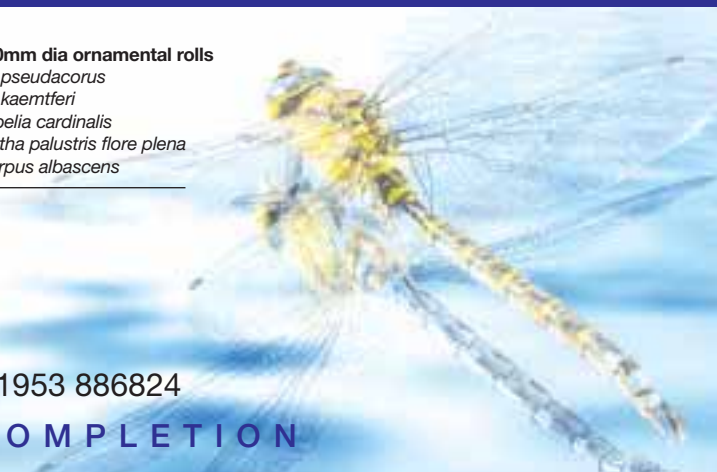
Phalaris arundinacea
Phragmites australis
Typha latifolia
Carex acutiformis
Iris pseudacorus

Scripus lacustris
Juncus effusus
Lythrum salicaria
Sparganium erectum



Telephone: +44 (0) 1953 886824

CONCEPT TO COMPLETION



The A.G.A. Group

Leaders in bio-engineering systems – specialist in controlling erosion and improving the environmental aspects of streams, rivers, lakes, balancing ponds and wetlands.

COIR ROLLS

Typical specifications

Dimensions 300mm dia. X 3m long	Dry weight unplanted 9kg per 1 liner metre
400mm dia. X 3m long	7kg per 1 liner metre
Compression: 110 to 120 kg/m ²	
Netting: Synthetic multi-strand fibre. 50mm diamond mesh	

Pre-planted and established coir rolls

Our coir is planted using root trainers or bare root stock.
Plants are all extremely well rooted and established at 6 per linear metre



Pre-vegetated coir units must be handled with care to ensure plants are not damaged. Following delivery they must be left unstacked at the installation site, kept well watered and free from direct wind and frosts.

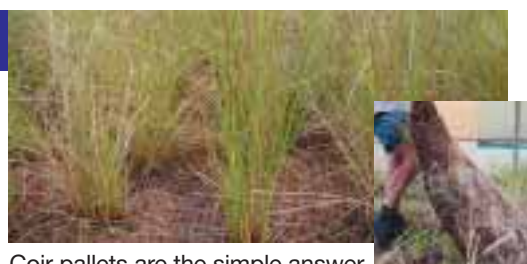
COIR PALLETS

Specifications

Size	Pallets
1.2m x 0.8m (1m ²)	Dry weight unplanted. 5kg approx per 1m ²
5m x 1m (5m ²)	Dry weight unplanted. 30kg approx per 1m ²

Pre-vegetated pallets

Our coir is planted using root trainers or bare root stock.
Plants will be provided at the rate of 12 per 1m² and will be firmly rooted into the coir pallet before delivery.



Coir pallets are the simple answer for the rapid and natural establishment of marginal aquatic vegetation. Whether to create margins to lakes, ponds, rivers or stream banks, to cover artificial linings or repair and enhance areas of damage, pallets will probably be the most reliable solution.

Vegetation softens the hard appearance of timber, concrete or steel, We can provide a well engineered and environmentally attractive solutions either to existing or new structures.

The use of pre-grown coir units results in rapid anchorage to the bank or installed structure and a speedy return of the waterline to its natural state.

We can supply over 300 species of grass and wild flower seeds of known provenance. We mix species to clients specifications or will advise on suitable mixtures for the location.

The A.G.A. Group installation teams operate solely within the field of aquatic and bioengineering. We operate a policy of 'Best Practice' and are bound by the Code of Conduct of both the Institute of Fisheries Management and the Society of Biology. The A.G.A. Group will quote for the supply of materials, their installation or for 'turnkey' projects.

A.G.A. is Quality assured to: ISO9001 : 2008 and ISO14001 : 2004
Registered: Achilles Utilities Vendor Database No. 705965

For more information please contact us.

We can quote you for supply of materials and their installation or for turnkey projects.

A.G.A. Group

Merton Hall Ponds, Merton,
Thetford, Norfolk IP25 6QH

Telephone: +44 (0) 1953 886824 Fax: +44 (0) 1953 889644

Email: info@agagroup.co.uk www.agagroup.co.uk



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