A.G.A. WOOD Systems

Reliable and environmentally acceptable materials for use in sustainable bio-engineering systems

Faggots, Hazel Spilling, Fascine Weips, Chestnut and Softwood Posts

Hazel - Chestnut - Willow and softwoods used by the A.G.A Group is sourced from suppliers who achieve Forest Stewardship Council (FSC) certification and being a renewable source, has no detrimental effect on the environment.

SPILLING LIVING BANK REVETMENT

Spiling bank retaining system uses live willow withies woven between osiers (live willow stakes) which are installed into the bank or river bed. This creates a viable hurdle like structure that, within months (depending on climatic conditions) will form dense root and top growth. The characteristics of live willow may impose some restrictions to suitability in some circumstances. Our consultants will offer guidance as to the benefits or limitations of the system.

Spiling:

- offers protection from erosion both above and below the water line.
- stabilises the embankment behind the structure
- rapidly establishes a strong root mass and vigorous top growth.
- subsequent management will control growth to achieve the required finish.
- can be used in a wide variety of situations
- can be self regenerating

EROSION CONTROL AND BANK RESTORATION.

At A.G.A. we have devised many erosion control and river training programs incorporating faggots. This is usually in conjunction with a range of our products that is often dictated by specific environmental considerations.
Once faggots are placed they have a very long life and become an integral part of the project, particularly where coir fibre roll and pallets are used.

Faggots:

- support fibre rolls or pallets at the correct water level
- protect banks and accrete silt while the vegetation establishes
- provides a safe aquatic habitat suitable for fast flowing waters
- meet exacting environmental standards

SLOPE AND BANK STABLISATION

Osiers (*Willow stakes*):

Osiers can be used to form a key between shallow slip soil and underlying competent ground.

Willow stakes will flourish providing:

- rapid root formation to stabilise soil
- lush vegetation transpires moisture from bank
- improved pore water characteristics

A.G.A. GROUP

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CONCEPT TO COMPLETION

The A.G.A. Group

We provide proven, economical and long lasting solutions in a whole range of bio-engineering applications.

A.G.A. only use FSC certified suppliers to support best management practices of the worlds forest.

FASCINE MATTRESSES

Weips and brushwood

Willow fascine mattress technology, pioneered by the Dutch over the centuries, has been well proven to control erosion in tidal and fast flowing waters.

Fascine mattresses are made from bundles of willow branches known as Weips and brushwood bundles. They are constructed according to the application and usually anchored into position with rocks and or boulders.

- Extremely long lasting (Under water fascines can last for hundreds of years)
- All natural materials
- Can also be used in conjunction with other erosion control materials

SUPPORTS, POST, RAILS AND FENCING

Softwood treated posts

We selected our softwood posts from top quality slow grown timber. To reduce the possibility of twisting or warping posts are cut from large section timber which is then pressure treated.

- Sizes to suit most applications
- Machined ends for easy installation

Chestnut posts

We only source suppliers who have achieved Forest Stewardship Council (FSC) certification – this means that our chestnut products can be traced back to source.

Chestnut post are:

- very long lasting
- strong, robust and hard wearing
- durable in the ground and under water

The products shown here are specifically tailored to our installation techniques. They are often supplied as part or our project package. We do however sell each product in its own right and if required, modified to the client's own specification. Live willow or prepared wood can often provide environmentally engineered solutions to enhance either existing or new structures.

SUPPORTS, RAILS AND FENCING	
Treated Softwood	
50 mm x	1.2 m -1.8 m - 2.2 m
75-80 mm x	1.2 m -1.8 m - 2.2 m
80-100 mm x	1.8 m - 2.2 m
Machined and Treated	
80-100 mm x	1.8 m - 2.2 m
Clefted Chestnut - FSC	
50-60 mm x	1 m - 1.2 m
75 mm x	1 m - 1.2 m - 1.6 m -1.8 m
Round Chestnut - FSC	
100 mm x	1.8 m
POSTS	
Treated softwood	
50 mm x	1.2 m - 1.8 m - 2.2 m
75-80 mm x	1.2 m - 1.8 m - 2.2 m
80-100 mm x	1.8 m - 2.2 m
Machined and Treated	
80-100 mm x	1.8 m - 2.2 m
Clefted Chestnut	
75-80 mm x	1.8 m - 2.2 m
80-110 mm x	1.8 m - 2.2 m

The A.G.A. Group 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 is validated by the nationally recognised SAFE CONTRACTORS SCHEME

Quality assured to: ISO 9001 : 2008 and ISO 14001 : 2004

ISO 9001

ISO 14001

Dedicated To The Environment

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