

# A.G.A ROCK ROLLS

## A.G.A Rock Rolls Erosion control and bank restoration



A.G.A Rock Rolls are a robust, durable erosion control system. They are used to provide a solid durable foundation for sympathetic partnering with products such as A.G.A pre-vegetated coir fibre rolls, coir pallets or faggots. Either way they provide the green credentials associated with bioengineering systems. The roots of the aquatic plants that grow in our coir modules will quickly develop and establish into the voids of the rock rolls giving long term erosion control, bank support and provide habitat enhancement from the aquatic fauna.

established coir rolls can be installed preventing bank erosion while the rock rolls also reinforce the toe of the channel reducing the risk of the current undercutting and weakening the bank.



A.G.A Rock Rolls are an excellent option or component of bank revetments systems. Whilst developed by A.G.A primarily for use alongside coir rolls where they function as a flexible, sub-surface but permanent gabions, they also provide a more robust method of erosion control. In turbulent and fast flowing conditions A.G.A Rock Rolls are used to provide a solid foundation on top of which pre-

Rock rolls can often be used as stand-alone modules to very good effect, possibly as landscape features or by giving activity and interest to the water flow, this in turn will aerate and improve the water quality and provide habitat for micro-organisms. Given the right condition it may be possible to grow aquatic plants in the A.G.A Rock Roll particularly where the client may wish to further improve the habitat.

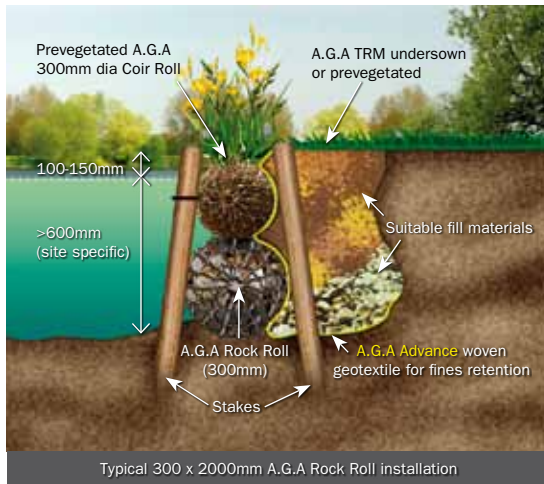




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### Erosion control and bank restoration



Some of the popular applications and uses for the A.G.A. Rock Rolls:

- Flexible retaining and support structure below the water line
- Prevention of wash damage to lakeside by water sports traffic
- River bank erosion control, restoration and toe protection
- Preventing high velocity flows from undercutting banks
- Creating a permanent aquatic habitat for aquatic fauna
- In channel flow training structures
- Secure base establishment for emergent aquatic plants
- Ornamental weir construction
- Formal and semi-formal retaining walls

#### A.G.A Rock Rolls

Description	Specification
Netting for standard 300 and 400mm diameter Rock Rolls	
Polymer	Polypropylene
Tensile strength	23 kN/m
Mesh size	45mm, quadratic mesh
Yarn type	Knotless 5mm high strength multifilament polypropylene
Fill material	Limestone is generally used unless otherwise specified.
Dimensions	300mm diameter x 2000mm 400mm diameter x 2000mm
Dry weight	300mm diameter – 120kg/m approx. 400mm diameter – 180 kg/m approx.

Sample is rock filled gabions used here to protect the area around a mooring in a large freshwater lake. See our welded mesh gabion leaflet for more information.

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  
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A.G.A. Group, MMG and MHP are trading styles of A.G.A. Enviro-Fix Limited



#### Dedicated To The Environment



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