

Data Sheet / Specification

Rock Rolls

Rock roll is used for erosion protection and their main applications are within aquatic areas. Synthetic netting is used to produce rock rolls. They are an excellent revetment for use on high-flow river banks, drainage channels and around lake edges; they are a cost-effective alternative to gabion baskets and mattresses.

We include rock rolls in many of our bioengineering solutions, primarily used in conjunction with our pre-planted coir rolls they provide the sub-surface support and provide protection to a river bank or revetment, the roots of the aquatic plants soon grow into the voids of the rock rolls which then provides long term erosion control, bank stability and habitat enhancement.

Rock rolls can be supplied pre-planted to customer's specification, topsoil and sowing is also possible to produce fully covered protection systems, single plant plugs are also a planting option.



A multi-layer installation is possible



Covered and planted

Rock Roll specifications

Ref: TES/ RR32 - 300mm Ø x 2m long

120kg per 1m

Ref: TES/ RR42 -400mm Ø x 2m in long

220kg per 1m

Netting: Synthetic high tenacity polypropylene, mesh size 45-50mm nominal diamond

Knotless multi-strand yarn of 5mm diameter

Applications:

Water Depth: 0.1m to 0.5m, 1m and higher if stacked or coir roll is placed on top.

Permissible Velocity: 4m/sec

Wave Action: 0.4m high