

Rock Rolls

Erosion control and bank restoration



The Rock Rolls have been developed for use with coir fibre rolls or as toe protection. They act as a small, flexible and permanent gabions for a variety of uses.

In turbulent flows Rock Rolls are used to provide a solid foundation on top of which pre-vegetated coir fibre rolls can be installed. The roots of the emergent plants then quickly grow into the voids of the rock rolls giving long term erosion control and bank support.

Specification

Netting for standard 400mm diameter Rock Rolls

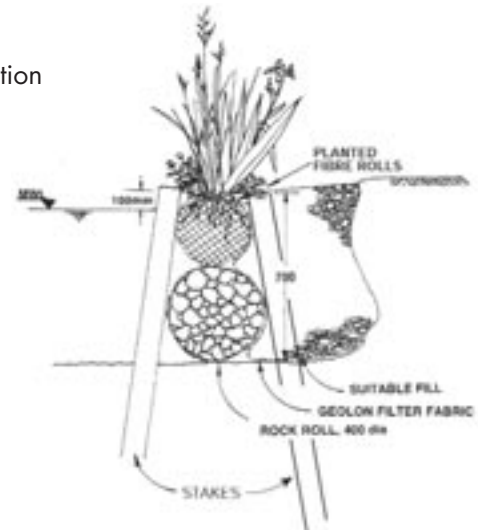
Polymer	- High Tenacity Polypropylene
Tensile Strength	- 3.2kN per mesh
Mesh Size	- 45mm in quadratic mesh
Yarn Type	- Knotless, high strength, multifilament
Yarn Size	- 5mm diameter
Weight	- 400g/m ²

Filling for Standard 400mm diameter Rock Rolls

Limestone is generally used unless specified otherwise.	
Roll length	- 2.0m
Weight of Rock Roll when filled	- Approx. 450kgs

Rock Rolls that are installed below coir units can also be used to support a filter fabric or biodegradable matting. This system retains the fines in the bank while the roots of the plants from the pre-vegetated coir units established themselves into the bed of the waterway and through the woven geotextile into the suitable fill.

Typical
Construction
Detail



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