

## Erosion Control Rock Bag

Fortifier Erosion Control Rock Bags are durable polyester net bags designed to repair, reinforce, and protect areas vulnerable to erosion and scouring. Often fill material from on site may be used, lowering environmental impact and reducing regrowth time. From creek and river banks to wharves and bridge pillars, they are an extremely versatile, simple, and cost-effective solution.

### Rock Bag Specifications

Variants:	2 tonne, 4 tonne, or custom on request.
Material:	Polyester
Mesh size:	20mm
Construction:	Double-layer raschel net
Colour:	Black
Weight:	Varies depending on fill type and density
Volume (2t):	≈ 1.25m <sup>3</sup>
Volume (4t):	≈ 2.5m <sup>3</sup>
Filled Dimensions (2t):	≈ Ø 2.0m x 0.5m
Filled Dimensions (4t):	≈ Ø 2.5m x 0.7m
Surface Area (2t):	≈ 2.8m
Surface Area (4t):	≈ 4.5m
Maximum Water Velocity (2t):	4.6m/s grouped, or 3.1m/s individual
Maximum Water Velocity (4t):	5.2m/s grouped, or 3.4m/s individual
Design Life:	50 year buried life or 20-30 year UV life

### Packing

2 Tonne:	35kg sacks, containing 5x 2 tonne bags
4 Tonne:	35kg sacks, containing 2x 4 tonne bags

### Fill

Minimum Fill Size:	30mm, however in most cases river run may be used.
Maximum Fill Size:	250mm, however in mixed fill, there is not a recommended maximum rock diameter, so long as the rock has smooth edges (e.g. concrete hard fill will likely cut the bag).

## Environmental

Plants begin growing almost immediately after placement, especially if local river run is used. Root systems tie bags together and contribute to bank retention. Eventually, the bags are covered and integrated into the habitat, further assisting stability and promoting rejuvenation of the damaged area.

## Application

The net will not unravel if damaged or cut. Bags damaged during placement may be repaired with a simple “darning” method. Repair cord is available.

If maximum water velocity ratings are to be exceeded, lifting rings may be tied together with clamps and wire rope, or other fastening methods may be used.

Fortifier Rock Bags reduce impact zone flow velocities when compared to hard engineering such as concrete, concrete blocks, gabions, or blockstone.

