ROCK ROLL & ROCK MATTRESS

Product Specification

Salix rock rolls and rock mattresses provide a robust and ecologically sensitive erosion protection for use around reservoirs, shorelines, lakes, streams and riverbanks.

www.salixrw.com

Salix

Rock Roll and Rock Mattress specification

For robust and permanent erosion protection

Net Specification

Net material: 3mm synthetic HDPE braided knotted nets, UV treated
Net aperture: 32mm
Net Yarn Thickness: 3mm
Single mesh tensile strength: 152.4kg = 1.49 kN/ mesh

Stone Specification

Frost-resistant granite or limestone subject to availability
Typically 40 – 80mm
Semi-angular stone

Design Life

Virgin HDPE has an expected design life of up to 100 years

Aggregates

Salix provides Rock Rolls and Rock Mattresses pre-filled. We also have the capability to manufacture on-site using local stone.

Rock Mattresses

2m x 1m x 0.25m
250mm deep Rock Mattresses weigh 550kg per unit (+/- 15%)

2m x 0.9m x 0.3m
300mm deep Rock Mattresses weigh 660kg per unit (+/- 15%)

Alternative sizes can be considered

Rock Rolls

2m x 0.25m diameter
140kg per unit (+/- 15%)

2m x 0.3m diameter
200kg per unit (+/- 15%)

Alternative sizes can be considered

Performance

Maximum permissible flow velocity: 5 m/s dependent on suitable fixings

Benchmark testing in clean laminar flow flume trial identified 8 m/s

Maximum wave height: 1m

Maximum shear stress: 1200 N/m^2