



ROCK MATTRESSES DESIGNED TO RESIST MOVEMENT IN HIGH-FLOW CONDITIONS

GEOFABRICS GEOMATTRESS ROCK MATTRESS



50%
more
effective
than rip-rap

Geofabrics® Geomattress™ rock mattresses are constructed with double twisted steel wire mesh filled with rock to form thin, flexible cages designed to resist movement in high-flow conditions.

The structure is divided into cells which prevent displacement and enhance stability. Ideal for hydraulic applications, Geomattress units are widely used for weirs, scour protection along riverbanks and the stabilisation of embankments and channel linings. They are engineered to withstand water velocities exceeding 5-6 m/sec over extended periods.

BENEFITS OF GEOMATTRESS

- Constructed with internal diaphragms integrated into a single continuous mesh panel to contain and stabilise rock movement under high shear stress
- Proven to be over 50 per cent more effective than rip-rap in high shear stress conditions
- Permanent solution for hydraulic applications such as weirs, riverbank scour protection and embankment stability in channel linings
- High permeability promotes sediment and seed capture, supporting healthier, more diverse ecosystems
- Flexible and adaptable to natural soil profiles; can be shaped to support targeted ecological regeneration



INSTALLING GEOMATTRESS

Installation time can be reduced by up to 50 percent using our specialised tools available for hire, such as pneumatic lacing tools. The use of 'C' rings applied using our pneumatic lacing tools as an alternative to lacing wire makes Geomattress installation easier.

The Geomattress range is supported by a team of dedicated technical specialists at Geofabrics Australasia.

APPLICATIONS

- Hydraulic Engineering & Structures
- Embankments
- Erosion Control
- Disaster Prevention & Recovery
- Flood Protection

FUNCTION

- Erosion Control



Provides
effective
**erosion
control**

VISIT **GEOFABRICS.CO** OR CALL 1300 60 60 20 (AU)
OR **GEOFABRICS.CO.NZ** OR CALL 0800 60 60 20 (NZ)



GEOFABRICS®
Sustainable solutions

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