

Earth Retention & Stabilization

Rock Gabions and Mattresses

Rock Gabions are wire cages formed into a box structure filled primarily filled with rock. When joined, they can be assembled to create many shapes. Primarily used as wall structures to stabilize embankments, drop structures and bridge abutments to dissipate water flows and various landscape features. Vegetating gabions is encouraged to increase stability by root growth through the mesh. Usually combined with Rock Mattresses to produce total protection. We call this "hard/permanent armour", a permanent solution. Manufactured from galvanized wire to main road specifications. We are able to supply gabions and mattresses alike manufactured under a GALFAN wire coating process, where aluminium is added to the zinc process, providing additional life to the wire. A GALFAN-PVC coating is also available for harsh environments (coastal and mining applications)



Gabion Wire baskets are recently becoming popular with landscapers for their cosmetic value, and are becoming more common in the everyday backyard, creating attractive garden walls and small fences.



Gabion Sizes

LENGTH, m	WIDTH, m	HEIGHT, m	NUMBER OF CELLS, EACH	VOLUME, M2
2	.50	.50	2	.50
2	1	.50	2	1
2	1	1	2	2
2	1.5	1	2	3
4	1	.50	4	2
4	1	1	4	4

Mattress Sizes

LENGTH, m	WIDTH, m	HEIGHT, m	NUMBER OF CELLS, EACH	AREA, M2
6	2	.17	6	12
6	2	.23	6	12
6	2	.30	6	12
6	2	.50	6	12
2	1	.30		

Rockfall Netting



A flexible double twist wire mesh net draped over loose slope faces to contain falling rock debris. Used extensively in high risk areas, such as roads, rail, residential suburbs, utilities and public areas. When fractured rock falls off the face it is simply guided down to the base of the slope. Produced under the same manufacturing methods as Gabions, Rockfall Netting is also available with a GALFAN or GALFAN-PVC coating for extra durability. Rockfall Netting rolls generally come in a standard size of 2m X 50m.