



## Webwall

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### Detailed description

A flexible retaining wall system that utilizes geocell technology. Using Webwall, green faced vegetated walls with near vertical faces can be built quickly and easily.

Cost savings over traditional retaining wall constructions, along with a green vegetated finish can be achieved by using the Webwall system. It is ideal in situations with weak foundation soils and often allows site won materials to be used as fill, thereby saving on the cost of removal and also the cost of importing structural fills.

The retaining wall structure is formed from horizontal layers of Webwall filled and placed one on top of another. The front face of the structure can be filled with top soil and then vegetated through seeding or planting to create a vegetated finish. Local biodiversity and planning requirements can be incorporated within the planting schedule/scheme.

It offers many cost advantages over other retaining wall systems including lower labour costs, cheaper materials and reduced maintenance.

### Features and benefits:

- Ideal with weak foundation soils.
- Site won material can be utilized.
- Cost effective.
- Vegetated finish.
- Reinforced applications with ABG geogrid products (max height 10 m).
- Drainage considerations utilising ABG Fildrain.

### Applications:

- Bunds, facings, headwalls and noise barriers.
- Noise barriers.
- Retaining walls.
- Steep slopes.
- Blast bunds.
- Anti-ram bunds.
- Swales.
- Retention ponds.
- Detention basins.

### Product guidance - As Standard

#### Panel height:

250 mm.

ABG creative geosynthetic engineering



#### ABG creative geosynthetic engineering

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Panel length:

4 m.

Effective cell diameter:

500 mm.

Material:

HDPE.

Wall thickness:

1.2 mm.

Cell area:

0.2 m<sup>2</sup>.

Tensile strength:

24 kN/m.

UV Stability:

Excellent.

Life expectancy:

120 years (with plant cover).

Maximum slope angle:

70° (with vegetated face).

Maximum wall height:

- 2.25 m - without geogrid reinforcement.
- 10 m - with geogrid reinforcement.

## Product specification

### Manufacturer

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### Product reference

[ABG creative geosynthetic engineering](#)



<b>Product reference</b>	Webwall
<b>Panel depth</b>	1.0 m 1.5 m 2.0 m
<b>Geogrid reinforcement</b>	Required Not required
<b>Colour</b>	[ <input type="text"/> ]