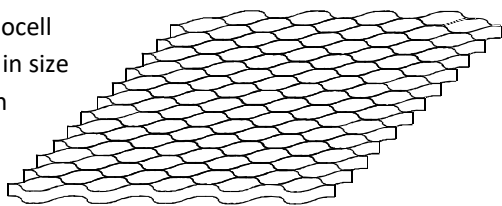


Geocell Application Areas

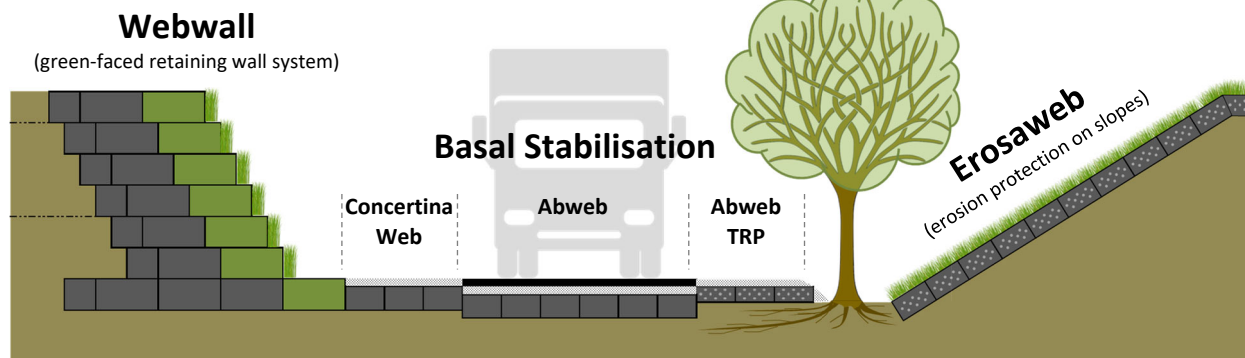
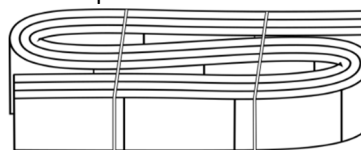


ABG produce a range of geocellular containment systems that enable maximum re-use of site won materials, reduced excavation and reduced imported fill, improved ecological impacts, and significant CO₂ savings.

Expanded Geocell panel (varies in size depending on application).



Geocell panel as delivered to site



Webwall

Webwall is a vegetated retaining wall created by planting within the soil pockets at the face. The wall is constructed very quickly from large panels backfilled with site won material. Perfect for creating noise and visual bunds, or creating a level platform on which to construct a building or car parks, etc. The front face is UV stabilised and typically coloured green or brown to complement the vegetation.

Basal Stabilisation

All basal stabilisation options using ABG geocellular containment systems enables the thickness of the gravel layer to be reduced by approximately 50%, saving excavation, disposal and gravel importation costs. The basal stabilisation options are most effective on very soft soils when used in combination with a non-woven geotextile such as **Terrex NW9**. For additional stability, a geogrid such as **Abgrid 30/30** can be included below the geocells.

ConcertinaWeb An easy to install reinforcing and strengthening web for use at the edge of paved areas to combat the problem of vehicle over-run and stone scatter. Concertinaweb is configured to install easily in long narrow areas.

Abweb A strengthening web for the base of roads and access tracks enabling reduced dig, reduced sub-base thicknesses, and reduced disposal of excavated material. Abweb is ideal for adding strength to a porous sub-base as part of a Sustainable Drainage System. It is usually filled with Type 3 porous gravel to create a plane infiltration system, and/or provide water attenuation.

Abweb TRP Provides Tree Root Protection compliant with BS 5837:2012 and the Aboricultural Practice Note APN 12. It is a no-dig solution that is backfilled with Type 3 porous gravel to allow water and oxygen to infiltrate down, and prevent mechanical damage, to the tree roots.

Erosaweb

Erosaweb is a perforated geocell panel for holding soil cover on steep slopes. The application could be a natural slope or a lagoon or canal lining. For fast flowing water, the **Erosaweb** is filled with crushed stone or concrete. When placed above geomembranes, the Erosaweb is tied to a geogrid such as **ABG Abgrid 40/40** instead of using the usual fixing pins. Often the **Erosaweb** is used in combination with a biodegradable erosion protection mat such as **ABG Erosamat Type 1A** to reduce surficial erosion until vegetation has become established.

Geocell applications illustrated above are indicative only. For further details contact ABG.