



Verge Reinforcement

Introducing ABG
Concertinaweb,
geocellular verge
reinforcement system

abg | creative
geosynthetic
engineering

Concertinaweb

ConcertinaWeb is a geocellular containment system which confines and strengthens infill materials and provides a cost effective solution for the reinforcement of roadside verges. When installed ConcertinaWeb helps prevent verge failure and material loss in the event of vehicles over-running.

Vehicles which stray onto soft verges can lose control with disastrous consequences. Deep rutting can form and during heavy

periods of rain significant wash out can occur.

ConcertinaWeb is a cost effective solution to what is often a perennial problem; traditional methods such as introducing granular material only provide a short term fix, as unbound materials tend to migrate into the sub-base, especially during periods of inclement weather.

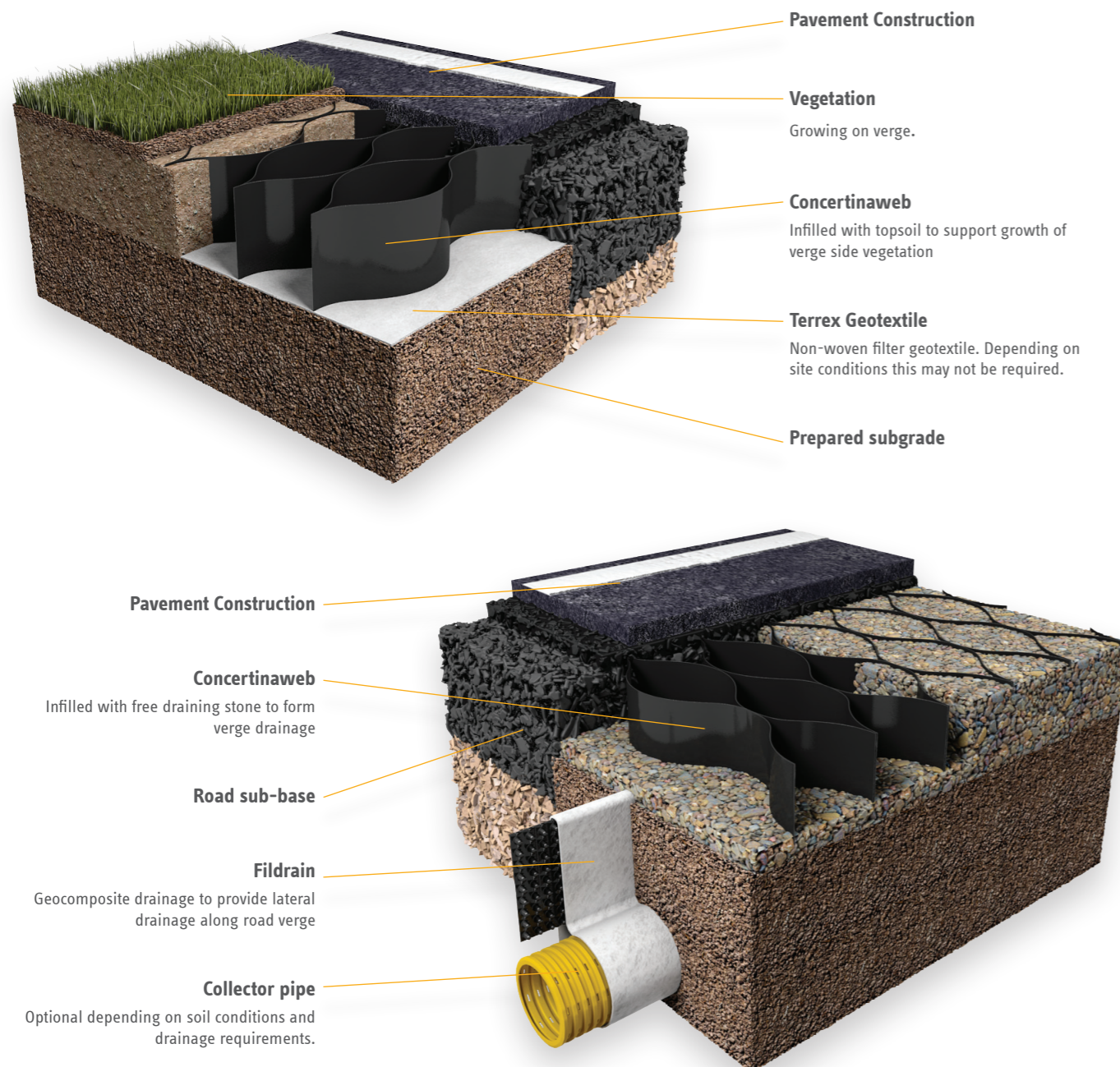
ConcertinaWeb can also be used to prevent stone scatter caused by vehicle over-run where filter drains are located at the carriageway edge or in the central reservation. Filter stone displaced and scattered from the road edge by vehicle over-run presents a hazard to other motorists.

Features and Benefits

- Allows green finish
- Lightweight and easy to install
- Prevents verge rutting
- Reduces stone scatter
- Cost effective

Typical Applications

- Verge Reinforcement
- Drainage stone management



Material Specification

		150/525	200/525	150/1050	200/1050
Material		HDPE	HDPE	HDPE	HDPE
Wall thickness	mm	1.2	1.2	1.2	1.2
Cell depth	mm	150	200	150	200
Cell diameter (nominal)	mm	300	300	300	300
Seam tensile strength	N	1800	2400	1800	2400
UV Stability		Excellent			
Chemical Resistance		Excellent			
Life Expectancy		120 Years			
Dimensions & Supply					
Panel length	mm	6000	6000	6000	6000
Panel width	mm	525	525	1050	1050
Collapsed width	mm	800	800	1600	1600
Transportation		Panels are supplied collapsed for expansion and in-filling on site. Delivered packed on pallets.			

Ancillaries

Terrex geotextile separator of appropriate grade to be placed beneath Concertinaweb. Temporary fixing pins may be required during the expansion/filling operation.

The above data is for information; it is recommended that the full current product datasheet be consulted when selecting which grade of product should be used. Full product datasheet is available by contacting ABG Technical Department

About ABG

ABG is a market leader in the design, development, manufacture and technical support of high performance geosynthetic systems for use in a wide range of civil engineering, highway, structures, environmental and building projects.

Formed in 1988, based in Meltham, in the heart of the Pennines, ABG have developed an excellent reputation for developing quality products and delivering outstanding service. The ability for rapid product development ensures that the most innovative, up to date and cost effective solution can be found for many engineering problems.

ABG's involvement in highways goes back over twenty five years and they now have a complete range of products developed specifically for use in this project sector. During this period ABG have supplied major highways and associated structure projects throughout the United Kingdom.

Technical support on ABG systems is provided by our trained and experienced staff, many of whom are Chartered Civil Engineers. This extensive support extends to full design, design validation, feasibility studies, cost advice and advice on meeting regulatory requirements. Part of this technical support includes developing and driving knowledge within our active markets including working with both international and local regulatory bodies on developing guidance and best practice in the use of innovative geosynthetics to solve complex engineering issues.

Other ABG Products available for use in highway applications include:

- Asphalt Reinforcement Grids
- Fin drains for highway edge drainage
- and use in embankment consolidation
- Geogrids and Geotextiles
- Structures - Protection and drainage
- Erosion Control Systems

For further information please contact ABG Highways

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