

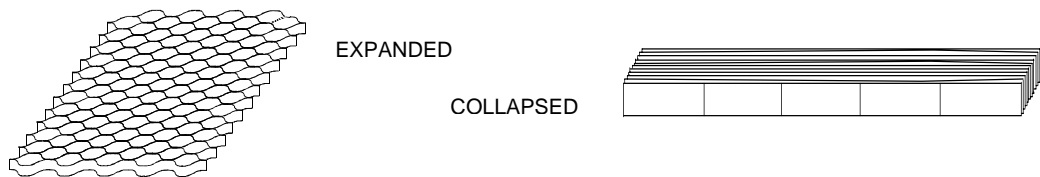
EROSAWEB GW confines and stabilises the surface of weak soils by creating of a honeycomb of interconnecting polymer strips that form pockets to locate and strengthen the infill material. **EROSAWEB** can be laid over stable steep slopes where the cell walls provide a tensile force increasing the strength of the material and acting as mini-weirs to reduce run off velocity and soil loss. Using this inexpensive system it is also possible to reduce foundation stone thickness under loaded areas by up to 50%. On a slope **EROSAWEB** is normally secured to the underlying material by frequent pinning, usually with steel pins. Where this is inadvisable or impossible, for instance when **EROSAWEB** is installed over a geomembrane, the webs should be secured to a high-strength looped geotextile (ABTEX Looped). Earth retaining walls are formed with horizontal layers of **EROSAWEB** filled and placed one on another. A floral feature can be created by planting in the open front pockets. Green facings are available to special order.

APPLICATIONS

- Retaining Walls
- Basal Reinforcement
- Slope Stability

CONSTRUCTION

EROSAWEB GW is a honeycomb structure of polymer strips securely bonded at the joints by ultrasonic welding. It is folded flat for transport and expanded on site.



PROPERTIES

DEPTH	100	150	200	250	300	SPECIAL
Material	HDPE	HDPE	HDPE	HDPE	HDPE	Properties defined
Wall thickness	1.1mm	1.1mm	1.1mm	1.1mm	1.1mm	for specific schemes
Colour	Black	Black	Black	Black	Black	
Temperature range	-30° to 60°C					
Material tensile strength	22 kN/m	22 kN/m	22 kN/m	22kN/m	22 kN/m	
Seam tensile strength	1200 N	1800 N	2400 N	3000 N	3600 N	
UV stability	Excellent					
Standard pin length	300mm	400mm	500mm	550mm	600mm	
Life expectancy (inc. joints)	120 years					

SPECIFICATION

The standard configuration of **EROSAWEB** panels is a panel 6.0m x 4.0m (nominal) when expanded although the weight of the panel may limit panel size for smaller cell diameter or deeper web depth. The standard **EROSAWEB** panel is specified by the depth and effective cell diameter. For example GW200/375 denotes **EROSAWEB** 200mm deep with 10 cells across the width each with an effective cell diameter of 375mm.

No of cells across width	7	10	13	14	16	19
Effective cell diameter	500	375	300	275	250	200

EROSAWEB GW panels are also available in a concertina configuration which expands to form a long, narrow cellular structure. The expanded panel has a standard length of 6.0m and a width dependant on the number of cells. The following table indicates some specimen cell diameters and panel sizes but many other sizes are available –

Cell Diameter, mm	200	200	250	250	300	300	300
Number of Cells	3	4	3	4	2	3	4
Panel Width, mm	600	800	750	1000	600	900	1200

DESIGN

Our Technical Department can offer advice and design proposals for the most economic use of the material. Design assistance is provided for selection, detailing and installation at no charge to the specifier or end user.

SUPPLY & FIXING

Standard depth as above but **EROSAWEB** can be ordered to manufacture in depths from 100mm to 750mm. Not all combinations of cell diameter and depth are possible – please consult ABG for advice on this topic. Special lengths can be manufactured. For transportation the collapsed dimension of a standard panel is 9.0m x 0.10m x depth, formed into coils of approx. 0.8m diameter. Please refer to separate sheet for fixing instructions including fixing density (number of pins).

CHEMICAL RESISTANCE

EROSAWEB has excellent chemical resistance to a wide range of chemical normally found in the ground. We will be pleased to advise on specific substances.

NOTE

- (1) The values given are indicative and correspond to nominal results obtained in our laboratories and testing institutes.
- (2) In line with our policy of continuous improvement we reserve the right to make changes without notice.
- (3) Allowable tolerances are +/- 10% of the typical value.
- (4) The tensile strength of the web panel is inversely proportional to the cell diameter.