

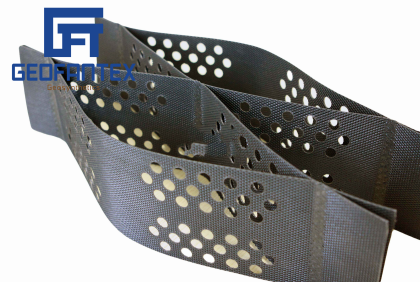
# GeofanCell Textured Range

## Technical Data Sheet

GeofanCell May 2019

GeofanCell is an innovative cellular product that provides cost effective solutions for subgrade stabilization, erosion control and channel protection. GeofanCell is a lightweight, flexible cellular structure made of polyethylene strips, ultrasonically bonded together to form an extremely strong configuration of individual cell structures that confine soil or aggregates.

GeofanCell can be supplied perforated (as the photograph illustrates) to allow free-flow of water and can be supplied with plastic fixings for easy and rapid installation.



**Horizontal Applications** - GeofanCell can be laid horizontally and filled with any site-won fill to provide instant subgrade stabilization by reducing the lateral displacement of aggregate materials, thus offering improved design life and reduced rutting.

**Slope Erosion Control** - the individual cell structures of GeofanCell confine the movement of soil material along the exposed surfaces of cut slopes during rain events. The pockets can be filled with topsoil to promote vegetal growth, which will further reduce erosion.

**Channel Scour Protection** - when filled with aggregate GeofanCell is used to protect hydraulic channels against scour action by increasing shear resistance.

## Physical properties

Properties	Units	Specification
Cell depth	mm	50, 75, 100, 150, 200
Weld spacing	mm	330/356/400/450/460/500/550/600/660/710/800
Unexpanded panel size	m	3.19 × 0.120 × panel depth
Expanded panel size	m	2.44 × 6.1
Sheet thickness (ASTM D 5199)	mm	1.5(+/-0.1)
Color		Black/Green
Polymer		polyethylene
Density(ASTN D 1505)	g/cm <sup>3</sup>	0.939-0.960
Carbon black content	% by weight	Min 2%
Seam strength AS 3706.6(modified)	N/10cm	≥1000

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