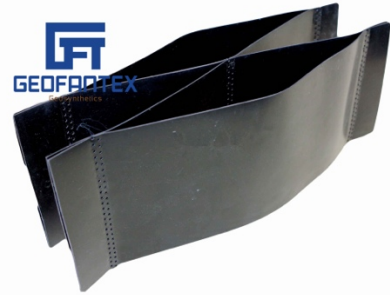


GeofanCell Smooth Geocell

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	1.0(+/-0.1)
Color		Black/Green
Polymer		polyethylene
Density(ASTN D 1505)	g/cm3	0.939-0.960
Carbon black content	% by weight	Min 2%
Seam strength AS 3706.6(modified)	N/10cm	≥1000

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. Geofantex Geosynthetics keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, Geofantex Geosynthetics does not warrant its accuracy or completeness. The only warranty made by Geofantex Geosynthetics for its products is set forth in our Product Test Report accompanies our shipment of the products, or such other written warranty as may be agreed by Geofantex Geosynthetics and customer. Geofantex Geosynthetics specifically disclaims all other warranties, express or implied, including without agreed by Geofantex Geosynthetics and customer. Geofantex Geosynthetics specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade



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