



## GGs Geo-Cell 40

GGs Geo-Cell 40 is a cellular confinement panel made from 58 strips of HDPE. These strips are configured together resulting in a rectangle 29 cells long and 10 cells wide. Each strip is made to the appropriate width and 142 inches in length. Welds are spaced 14.0" +/- 0.12". Cells are configured at 35 cells per square meter. Cell walls are textured and perforated if required. Perforations remove approximately 15% of the cell wall. Geo-Cell strips are texturized with a multitude of diamond shaped (Rhomboidal) indentations. These indentations have a surface density of 140 to 200 per square inch. GGS Geo-Cell 40 meets or exceeds the physical property values listed below:

Property	Test Method	Unit	M.A.R.V
Polymer Density	ASTM D 1505	lbs/cu ft	58.4-60.2
Environmental Stress Crack Resistance	ASTM D 5397	hours	>400
Environmental Stress Crack Resistance	ASTM D 1693	hours	6000
Carbon Black Content	ASTM D 1603	% by weight	1.5% min
Nominal sheet thickness before texture	ASTM D 5199	mil	50 (-5% to +10%)
Nominal sheet thickness after texture	ASTM D 5199	mil	60 (-5% to +10%)
Expanded Cell Size-Nominal	Width x Length	inches	20 x 18.7
Expanded Cell Area		sq. inches	187
Expanded Panel Size-Nominal	Width x Length	feet	8.4 x 45
Expanded Panel Area-Nominal		sq. feet	378

Cell Depth	inches	3	4	6	8
Seam Peel Strength	lb/ft	240	320	480	640

Seam Hang Strength- A 4 inch weld joint supporting a load of 160 lbs for 30 days minimum or a 4 inch weld joint supporting a load of 160 lbs for 7 days minimum while undergoing a temperature change from 74 degrees to 130 degrees on a one hour cycle.