



**NORTHWEST LININGS &
GEOTEXTILE PRODUCTS, Inc.**
"Helping to Protect the Environment"
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PermeaCell 4", 6", & 8" Cellular Confinement

PermeaCell 4,6,8 are a lightweight, polyethylene, mat made up of ultrasonically welded strips to form an extremely strong honey-comb mat. PermeaCell 4,6,8 is ideal for retaining walls, ground stabilization, and slope erosion control. A four-inch wide weld joint creep test sample will support a load of 160 lbs. for a minimum of 30 days in a temperature controlled environment.

SIZES - HEIGHT		4"	6"	8"
<u>Expanded Dimensions</u>	Panel	8' x 20'	8' x 20'	8' x 20'
	Cell area	8" x 9.6" nominal	8" x 9.6" nominal	8" x 9.6" nominal
<u>Collapsed Dimension</u>		11' x 5" x cell height	11' x 5" x cell height	11' x 5" x cell height
<u>Color</u>	Standard	Black	Black	Black
<u>Seams Tensile Peel Strength</u>	COE GL-86-19	320 lbs.	480 lbs	640 lbs.
<u>Seam Hang Strength</u>		Per 100 mm seam shall sustain 72.5 kg weight for at least 7 days, undergoing the variances from room temperature to 54°C on one hour cycle.		
<u>Polyethylene Thickness</u>	ASTM D5199	50 mils +/- 5%	50 mils +/- 5%	50 mils +/- 5%
<u>Typical Weight</u>		53 lbs.	79 lbs	106 lbs.
<u>Installation Temperature Range</u>		-16 F to +110 F	-16 F to +110 F	-16 F to +110 F
<u>Carbon Black Content</u>	ASTM D4218	2-3%	2-3%	2-3%
<u>Density (MARV)</u>	ASTM D1505	.94 g/cm ³	.94 g/cm ³	.94 g/cm ³
<u>Environmental Stress Crack Resistance</u>		>4,000 hrs	>4,000 hrs	>4,000 hrs

PermeaCell™ is a trade name of Northwest Linings and any use of this name without express written consent of Northwest Linings is strictly prohibited.

The information and data contained herein are believed to be accurate and reliable. All testing is done per industry standard at the time of manufacturing. Northwest Linings makes no warranty of any kind. Northwest Linings accepts no responsibility or liability for the results obtained through application of this information.