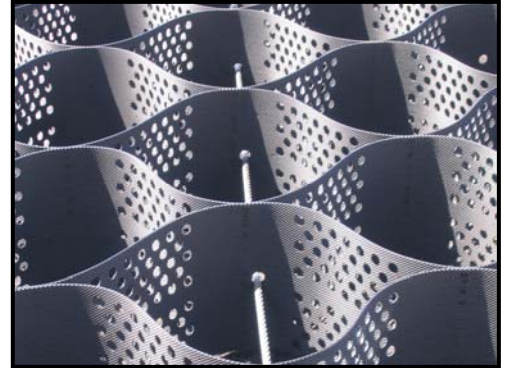


GENERAL DESCRIPTION

GardNet™ is an expandable polyethylene sheet strip assembly, connected by a series of offset, full-depth, ultrasonic welded seams aligned perpendicular to longitudinal axis of strips which, when expanded, form walls of a flexible, 3-dimensional, cellular confinement system. Each section of GardNet is 8 cells wide by a multiple of cells long.



BASIC USE

GardNet is typically used for confinement of LiteTop® growing media on sloped Garden Roof Assembly® applications.

ADVANTAGES

- Restrains LiteTop growing media on slopes >3:12 (14°) ≤12:12 (45°).
- Allows for free drainage of excess water/moisture.
- Materials are resistant to all known naturally occurring earth salts and minerals.

TECHNICAL SPECIFICATIONS

PROPERTY	TEST METHOD	RESULT
COLOR		Black
CELL WALL THICKNESS in. (mm)	ASTM D5199	0.05 (1.27) (-5,+10%)
SHEET STRIP HEIGHT in. (mm)		3, 4, 6, 8, 12 (75,100,150, 203, 305)
EXPANDED INDIVIDUAL CELL DIMENSION in. (mm) nominal		13 wide X 10.5 long (320 X 287)
SECTION COVERAGE sq.ft. (sq.m.) nominal each section is 8 cells wide (approx. 8.7 ft. - expanded)		18 cell section - 136 (12.6) 21 cell section - 159 (14.8) 25 cell section - 189 (17.6) 29 cell section - 219 (20.3) 34 cell section - 257 (23.9)
POLYETHYLENE DENSITY lb./cu.ft. (g/cm3)	ASTM D1505	58.4-60.2 (0.935-0.965)
POLYETHYLENE ENVIRONMENTAL STRESS CRACK RESISTANCE (ESCR)	ASTM D1693	3,000 hours
SEAM PEEL STRENGTH lb.-force (N)		240 (1060) – 3 in. strip 320 (1420) – 4 in. strip 480 (2130) – 6 in. strip 640 (2840) – 8 in. strip 960 (4260) – 12 in. strip
SEAM HANG STRENGTH lb. (kg) 7 days/1 hr. temp. cycling – ambient to 160°F	ASTM E41	160 (72.5)
CARBON BLACK CONTENT %		1.5 – 2.0