

**Vertical Drainage Layer**

**Product:** 0.25 in. / 6.0 mm Thickness  
0.40 in. / 10.0 mm Thickness

**Description:**

The Columbia Green Technologies Vertical Drainage Layer is designed to eliminate hydrostatic pressure from behind foundation walls, retaining walls and planters on plaza decks, and balconies.

A needle punched, nonwoven filter fabric is heat-laminated to one side of the mat to hold soil away from the wall or deck and keep the drainage plane clear. The three-dimensional Vertical Drainage Layer is composed of extruded polymer woven into an entangled cusped geometric patterned matrix with heat-welded junctions. This forms a resilient structure specifically designed to provide superior drainage and airflow. The Vertical Drainage Layer is a rolled product developed by drainage engineering experts.



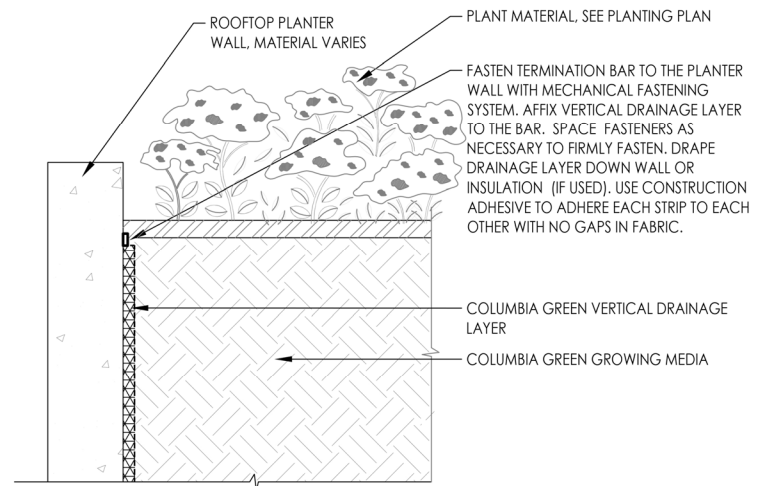
Installation is simple and straight forward, involving only heavy-duty scissors to cut to shape.

**Benefits**

- Fire resistant- Class A fire rated product
- Minimal deflection, and no creep or long-term degradation
- Provides a thin profile for tight construction assemblies
- Lightweight and easy to handle

**Storage/ Installation**

- Install using a termination bar or ledger board per manufacturer’s instructions. Backfill in 12” lifts, allowing for settlement.
- Do not overlap vertical drainage mat material but overlap the provided 3” filter fabric seams.
- Store components in a dry area. Avoid prolonged exposure to sunlight, heat, sparks and open flames.
- Store away from sources of ignition and extremely high temperatures.



*Vertical Drainage Layer at Planter*

**LEED Information:**

- Manufacturing Location: Euclid, Ohio 44117
- Pre-Consumer Recycled Content: 40%

**Technical Data– 0.25in. / 6.0 mm Thickness:**

Physical Property	Value
Polymer	Polypropylene
Thickness	0.25 in
Roll Dimension	22 x 22 x 48 in.
Roll Length	100 ft.
Roll Coverage	400 ft <sup>2</sup>
Roll Weight	53 lbs.
Flow Rate	≥ 10 gpm

**Technical Data– 0.40in. / 10.0 mm Thickness:**

Physical Property	Value
Polymer	Polypropylene
Thickness	0.40 in
Roll Dimension	24 x 24 x 48 in.
Roll Length	100 ft.
Roll Coverage	400 ft <sup>2</sup>
Roll Weight	55.6 lbs.
Flow Rate	≥ 10 gpm