

Description:

The Pli-Dek GRS150 drainage board consists of an impermeable polymeric sheet cusped under heat and pressure to form a high flow dimpled drainage core. The core is perforated, then bonded to PD RB root resistant filter fabric on top and protection fabric on the bottom, specifically designed for Greenroof applications. The top root resistant filter fabric prevents roots from affecting the efficiency of the drainage/aeration layer and retains soil or other fine particles from being washed away and allows water to pass into the drainage core. The bottom protection fabric safeguards the waterproofing membrane, the core is installed dimple side down to allow water retention. The excess water is collected and conveyed to a proper collection system.

Applications:

- Planters
- Greenroofs

Advantages:

- Polypropylene Core
- Filters Fine Particles
- Low Cost
- Easy Install/ No Loose Fabrics
- Pre-Assembled Drain System
- 100% Post-Consumer PD RB Recycled Filter Fabric
- Root, Mildew, and Rot Resistant
- Water Retention Chambers (.042gal/sqft.)
- Reduces Weight of Greenroof (no gravel necessary)

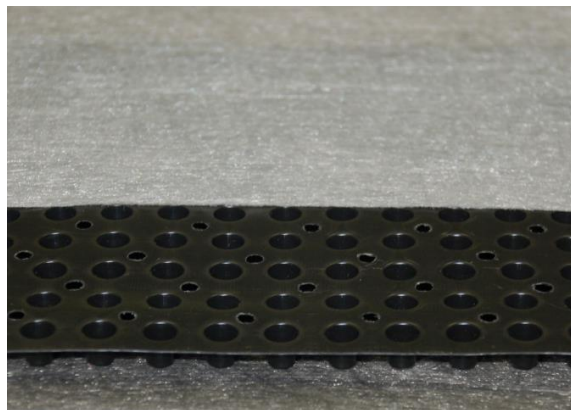
Availability:

PD GRS150 Drain Board is available in 4 ft wide by 50 ft. long rolls.

Technical Information:

Core	
Compressive Strength (ASTM D-1621)	15,000 psf (719 kNm ²)
Thickness (ASTM D-1777)	.40 in. (1.016 cm)
Flow (Hydraulic gradient=1) (ASTM D-4716)	21 gal/min/ft (261 l/min/m)
Water Retention	.042 gal/sq ft.

Fabric Type	Fabric	
	ECO (top grey)	Protection (bottom black)
Basis Weight (ASTM D3776)	100gsm	129 gsm
Grab Tensile (ASTM D5034)	75/70 lbf	90lbs
Grab Elongation (ASTM D5034)	40%	60%
Thickness (ASTM D1777)	.49 mm	1.3 mm
Trapezoidal Tear (ASTM D1777)	20 lbf	40lbs
Water Flow Rate (ASTM D4491)	250 gal/min/ft ²	140 gal/min/ft ²



Technical Assistance:

Contact Pli-Dek Systems, Inc. for any job specific questions.

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