

ROOFSCAPES® TerraDRAIN P-40



High-Strength Semi-Rigid Waffled HDPE Retention & Drainage Panel (40 mm)

Description

Terra-DRAIN™ P-40 (Panel) is a 1.6" (40 mm) thick, semi-rigid, waffled HDPE sheet designed to retain water within pockets on the top side for vegetation while channeling surplus water through its bottom-sided canal system for secure drainage. It has drill holes to drainage channels for diffusion and irrigation.

Terra-DRAIN™ P-40 allows for the incorporation of a complete array of zone-appropriate perennials and ornamental grasses in a 6" - 12" depth assembly.



Benefits

- Retains water within pockets on the upper side, making water available to vegetation
- Channels surplus water through its bottom-sided canal system for secure drainage
- Utilizes drill holes to drainage channels for diffusion and irrigation

Coverage

21.52 sq/ft

Uses

- Semi-intensive green and vegetative roofs with zone-appropriate perennial and ornamental grasses
- Extensive green roofs with increased layer structure (nature roof up to 250 mm)
- Simple intensive green roofs with low layer structure (garden roof up to 300 mm)
- Protected membrane roofs
- Inverted roof membrane applications (IRMA)



LEED Credits available for:

- Materials & Resources (MR)

Properties

Description	Measurement	Test Method
Material	Recycled HDPE (High-Density Polyethylene)	
Thickness	1.57" (39.9 mm)	
Dimensions (L x W)	78.75" x 39.375"	
Area	21.52 sq/ft	
Weight	0.47 lbs/ft ²	
Compressive Strength	20.88 lbs/in ² (unfilled) 40.61 lbs/in ² (filled)	
Water Holding Capacity	0.34 in ³ /in ² (0.122 gal/ft ²) (unfilled) 0.63 in ³ /in ² (0.393 gal/ft ²) (filled)	ASTM E-2398
Drainage Performance (Fully Saturated)	@ 1% Slope = 29.76 in ³ /ft/s @ 2% Slope = 42.96 in ³ /ft/s	ASTM E-2398



21.52 sq/ft per Unit
50 Units per Section
6 Sections per Pallet

