

SOPRANATURE® DRAIN PLATE 40

High-density, water-retention drainage board

DESCRIPTION

SOPRANATURE® Drain Plate 40 is a 1 1/2 inch tall, three-dimensional plastic drainage structure for green roofing systems. Unlike thin, flexible plastic drainage sheets, SOPRANATURE® Drain Plate 40 is a thick, semi-rigid board composed of high-density polyethylene designed to withstand heavy pedestrian traffic and last a lifetime.

APPLICATION

Install drain plates over a layer of SOPRABARRIER Root Barrier. Overlap plates by two corrugations, staggering joints of adjacent rows by a half sheet to avoid having more than three layers at any point. When cutting plates, use a board to protect underlying materials from damage. Once installed, fill the area with water to prevent uplift in windy conditions or expansion in sunny conditions.

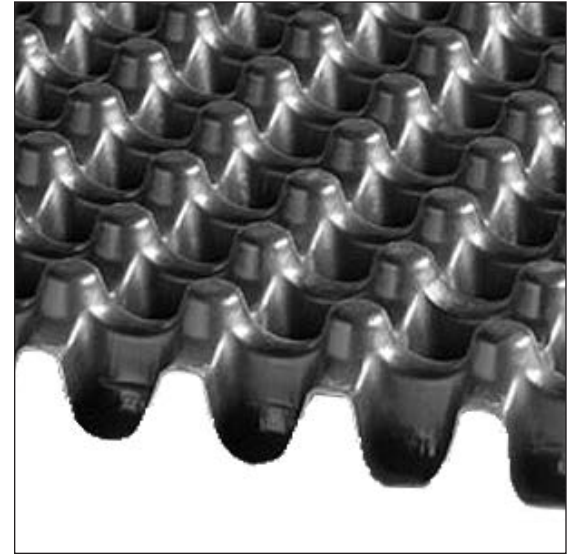
PRODUCT INFORMATION *

PROPERTY	VALUE
Material	100% post-consumer recycled HDPE
Dimensions	39 in x 79 in x 1.5 in
Net Coverage	19 ft ²
Weight	11 lb
Quantity per Pallet	300 plates
Coverage per Pallet	5,700 ft ²
Compressive Strength	3,000 psf
Water Retention	0.22 gal/ft ²
Aggregate Fill Volume (unfilled)	0.06 ft ³ /ft ²

* All values shown are nominal and subject to normal manufacturing tolerances.

STORAGE & HANDLING

Store boards flat on the original pallet and maintain in a horizontal position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. Ballast down during installation to prevent loss of product.



FLOW RATES

HYDRAULIC GRADIENT	FLOW RATE (gal/min/ft)
i = 0.01	7.7
i = 0.02	11.2
i = 0.05	18.1
i = 0.10	26.0
i = 1.00	80.4

For more information and application instructions contact Performance Roof Systems Technical Services.