

SOPRANATURE® DRAIN PLATE 60

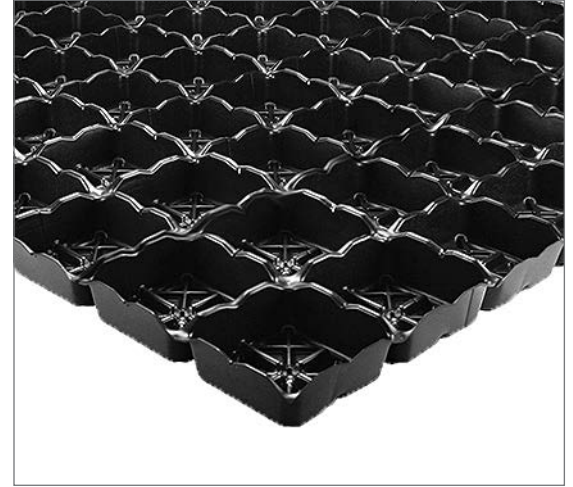
High-density, water-retention drainage board

DESCRIPTION

SOPRANATURE® Drain Plate 60 is a 2 1/2 inch tall, three-dimensional plastic drainage structure for green roofing systems. Unlike thin, flexible plastic drainage sheets, SOPRANATURE® Drain Plate 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 plates completely to the top with a lightweight aggregate. Lay separation fabric over plates, overlapping 6 in. Spread green roof planting media.



PRODUCT INFORMATION *

PROPERTY	VALUE
Material	100% post-consumer recycled HDPE
Dimensions	39 in x 79 in x 2.5 in
Net Coverage	22.5 ft²
Weight	16.1 lb
Quantity per Pallet	180 plates
Coverage per Pallet	4,050 ft²
Compressive Strength	14,500 psf
Water Retention *	0.55 gal/ft²
Aggregate Fill Volume	0.15 ft³/ft²

* When filled with light weight aggregate.

FLOW RATES

HYDRAULIC GRADIENT	FLOW RATE (gal/min/ft)
i = 0.01	2.8
i = 0.02	4.1
i = 0.05	6.6
i = 0.10	9.5
i = 1.00	31.6

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.

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