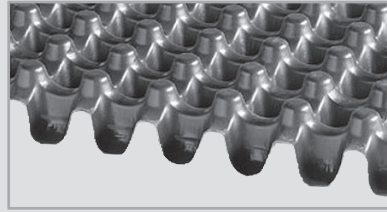


# SOPRANATURE® DRAIN PLATE 40

High-Density, Water-Retention Drainage Board



APPLICATIONS

VEGETATED

PRODUCT DATA SHEET PDS10389 - REV 230322

## PRODUCT NUMBERS:

- W917 - 39 x 79 in (1 x 2 m) - Board

*NOTE: This product requires a minimum order of 20 plates.*

## DESCRIPTION & FEATURES:

**SOPRANATURE DRAIN PLATE 40** is a 1.5 in 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.

Refer to SOPREMA's published technical literature for additional details and application requirements.

## STORAGE:

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.

## WARRANTY:

For more information refer to [www.SOPREMA.us](http://www.SOPREMA.us) or contact your SOPREMA representative.

## SUSTAINABILITY

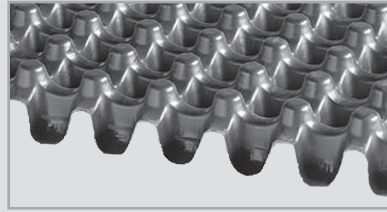


RECYCLED CONTENT  
POST-CONSUMER

100%

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## TECHNICAL INFORMATION & TESTING:

DIMENSION & MASS	
PROPERTY	VALUE
<b>Material</b>	100% post-consumer recycled HDPE
<b>Length</b> , in (m)	79 (2)
<b>Width</b> , in (m)	39 (1)
<b>Height</b> , in (m)	1.5 (0.04)
<b>Coverage</b> , ft <sup>2</sup> (m <sup>2</sup> )	19 (1.75)
<b>Coverage per pallet</b> , ft <sup>2</sup> (m <sup>2</sup> )	5,700 (525)
<b>Weight</b> , lb (kg)	11 (4.6)
<b>Plates per pallet</b>	300
<b>Pallet weight</b> , lb (kg)	3,341 (1,515.5)
<b>Compressive strength</b> , psf (kPa)	3,000 (144)
<b>Water retention</b> , gal/ft <sup>2</sup> (l/m <sup>2</sup> )	0.22 (9)
<b>Aggregate fill volume</b> , ft <sup>3</sup> /ft <sup>2</sup> (l/m <sup>2</sup> )	0.06 (17)

Data is represented by average values, unless noted otherwise.

FLOW RATES		
HYDRAULIC GRADIENT	FLOW RATE gal/min/ft	FLOW RATE liters/sec/m
<b>i = 0.01</b>	7.7	1.6
<b>i = 0.02</b>	11.2	2.3
<b>i = 0.05</b>	18.1	3.8
<b>i = 0.10</b>	26.0	5.4
<b>i = 1.00</b>	80.4	16.6