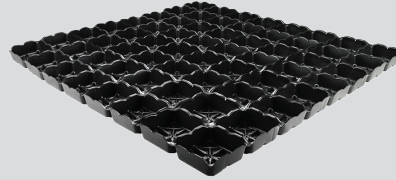


SOPRANATURE[®] DRAIN PLATE 60



APPLICATIONS

VEGETATED SOLUTIONS

PRODUCT DATA SHEET PD10391 - REV.028721

DESCRIPTION:

SOPRANATURE Drain Plate 60 is a 2-1/2" (63.5 mm) tall, three-dimensional plastic structure for green roofs made of recycled high-density polyethylene. Typically the entire top surface is filled with a lightweight inorganic aggregate to support the separation fabric and planting media above.

STORAGE & HANDLING:

Store product 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. Panels nest together on pallet.

APPLICATION:

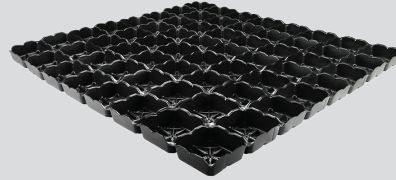
Lay the SOPRANATURE Drain Plate 60 over the SOPRANATURE Moisture Retention Mat overlapped 6". Cut single plates, using a board to protect underlying materials from damage. Butt panels tightly together, staggering end joints by one-half sheet. Fill the plates completely to the top with a lightweight aggregate. Lay separation fabric over plates, overlapping 6". Spread green roof planting media.

QUICK FACTS:

GROSS SURFACE AREA (ft ² /plate)	NET COVERAGE (ft ² /plate)	PACKAGING (plates per pallet)	COMPRESSIVE STRENGTH (psf)
22.5 (2.1 m ² /plate)	22.5 (2.1 m ² /plate)	180	14,500 (695 kPa)

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

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PHYSICAL PROPERTIES:

PROPERTY	VALUE
Material	Black 100% post-consumer recycled HDPE
Dimensions, in (m)	40 x 80 x 2.5 (1 x 2 x 0.060)
Weight, 16.1 lb/plate (7.3 kg/plate), lb/ft ² (kg/m ²)	0.72 (3.5)
Water retention (long term), gal/ft ² (l/m ²)	0.57 (23)
Water retention (temporary), gal/ft ² (l/m ²)	0.55 (22)
Aggregate fill volume, ft ³ /ft ² (l/m ²)	0.15 (45)

FLOW RATE:

HYDRAULIC GRADIENT	FLOW RATE (GAL/MIN/FT)	FLOW RATE (LITERS/SEC/M)
i = 0.01	2.8	0.6
i = 0.02	4.1	0.8
i = 0.05	6.6	1.4
i = 0.10	9.5	1.9
i = 1.00	31.6	6.5