

PolyDrain 50 Core Series

PREFABRICATED TURF SHEET DRAINS

PolyDrain Sheet 50 Core Series products offers full surface drainage solutions for synthetic turf applications where the ability to rinse animal waste material through the synthetic turf is desired. Primary applications include pet parks, dog runs, pet facilities, and landscaping. These patented prefabricated drainage products consist of a high compressive strength formed polystyrene core manufactured from recycled materials. PolyDrain Sheet 50 Core Series products are non-absorbent and recyclable at the end of their useful life.

PolyDrain Sheet 50 Core is manufactured with a solid core designed to transport collected water to perimeter drains or other designated drainage outlets.

PolyDrain Sheet 50 Core is manufactured with a perforated core or a non punched core. We also offer the option with or without attached geo textile fabric on the top, or bottom, or both. This perforated core can be used to allow the collected water to drain vertically into the base material below. PolyDrain Sheet 50 Core can also be used to transport excess water laterally to perimeter drains or other designated drainage outlets to increase water evacuation rates.

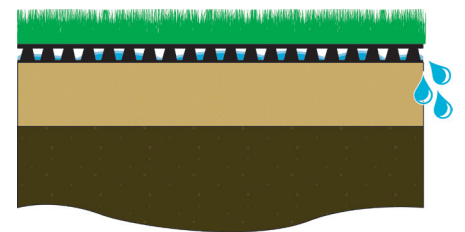
PolyDrain Sheet 50 Core and PolyDrain Sheet 50 Core can be installed together, with solid core being used over the main body of the area and perforated core being used over the perimeter drain areas. This provides collected water with an uninterrupted flow path to the perimeter drain system while maintaining a uniform finished grade for synthetic turf installation throughout the area of coverage.



RECYCLED CONTENT:

PolyDrain Sheet drain products are manufactured with >50 percent post-industrial recycled content.

CORE PROPERTIES			
Material			Polystyrene
Thickness	ASTM D 1777	in	.44
		mm	11
Compressive Strength	ASTM D 1621 ¹	psf	18,000
		kPa	862
Flow Rate	ASTM D 4716 ²	gpm/ft	21
		Lpm/m	261
Infiltration Rate-Vertical (PolyDrain Sheet DS-50 Core)	BS 7044	in/hr	163
		cm/hr	414
G-Max	ASTM F 355 ³		94
Expansion Coefficient - 4.42×10^{-5} in/in per °C			
<small>1 - Loading Rate of 1.0 in/min. 2 - Horizontal in-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0. 3 - Sub-Base: #57 Crushed Rock, Drainage & Shock Attenuation Blanket: POLYDRAIN Sheet 50 Core, Turf: 45oz/sy, Infill: 3 lbs/sf .For Rooftop Applications ,the drainage mat can non perforated and be placed directly of the membrane</small>			



PACKAGING:

Roll Size – 4' x 50'
 Roll Lay Width – 46 1/4"
 Roll Coverage Area – 462 SF / Roll

All information, drawings and specifications are based on the latest product information available at the time of printing. Due to constant improvement and engineering progress, USSA, Inc. reserves the right to make changes without notice. The physical properties are typical values. Standard variations of 10% mechanical and 20% hydraulic properties are considered normal.

WARRANTY & LIMITATIONS: Contact USSA, Inc. for detailed warranty and limitation information.

