

ProDrain[®] SD 40 SERIES – STRIP FILTER DRAIN SYSTEM DESCRIPTION

ProDrain SD Series Strip Filter Drains are prefabricated drainage composites for the efficient filtering of groundwater. All SD drainage cores are encapsulated with a high flow geotextile that prevents long term blockage of the drain core by excluding the ingress of fine soil particles. The core is made from HDPE polymer combined with a PP/PET geotextile. Both polymers are inert to a wide range of acids and alkalis likely to be found in a soil environment.

APPLICATION

ProDrain SD Strip Filter Drains are designed for applications of subsoil drainage as road edge drains, sports field broad acre drainage, vertical drainage components in cut face applications (behind facing systems such as shotcrete) and as a drainage collection system at the base of retaining walls. ProDrain SD drainage systems provide more efficient drainage capacities than imported natural materials such as crushed aggregate and conventional pipe systems. The ProDrain prefabricated drainage products are lightweight, easy to handle and install, providing a more cost effective method of drainage than traditional methods. ProDrain SD Series Strip Filter Drains require minimal trench excavation and come in a wide selection of depths for a variety of applications and site conditions

PROPERTIES	UNIT	TEST METHOD*	SD100	SD200	SD300	SD400	SD500
CORE PROPERTIES							
Core Structure			Double Cusped Profile				
Core Material			HDPE				
Strip Filter Thickness (nominal)	mm		40	40	40	40	40
Core Open Volume (nominal)	%		> 90	> 90	> 90	> 90	> 90
GEOTEXTILE PROPERTIES							
Structure			Nonwoven Geotextile				
Material Type			PP/PET				
GECOMPOSITE PROPERTIES							
Discharge Capacity	l/min/m width i = 1%	ASTM 4716	> 100	> 100	> 100	> 100	> 100
Compressive Strength	kPa	ASTM 1691	> 200	> 200	> 200	> 200	> 200
Product Depth	mm		100	200	300	400	500
Product Length	m		50	50	50	50	25
Transportation Dimensions	m		1.6 ϕ x SD Product Depth			1.2 ϕ x 0.5	

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Global Synthetics

ProDrain is a registered trade mark of Global Synthetics. ProDrain drainage products are manufactured to ISO 9001 quality assurance procedures. Properties of ProDrain drainage products are typical values and correspond to average values derived from in house and independent laboratory testing.

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