

ProDrain CD 12 & CD18 SHEET FILTER DRAIN SYSTEM

DESCRIPTION

ProDrain CD12 & ProDrain CD18 are prefabricated drainage composites for the efficient filtering of groundwater. Both 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. All product components are inert to a wide range of acids and alkalis likely to be found in a soil environment..

APPLICATION

ProDrain CD12 & CD18 drainage composites are designed for applications of subsoil drainage behind retaining walls, abutments, culverts, basement walls and for providing horizontal drainage to roof-top gardens and planter boxes. Prefabricated drainage systems provide more efficient drainage capacities than imported natural materials such as crushed aggregate. The ProDrain prefabricated products are lightweight, easy to handle and install, providing a more cost effective method of drainage than traditional methods

PROPERTIES

UNIT

TEST METHOD*

PRODRRAIN CD12

PRODRRAIN CD18

CORE PROPERTIES

Core Structure	Single Cusped Flat Back	Double Cusped
Core Material	HDPE	HDPE
Core Thickness (nominal)	mm 12	18
Core Open Volume (nominal)	% > 90	> 90

GEOTEXTILE PROPERTIES

Structure	Nonwoven Geotextile	
Material Type	PP/PET	

GEOCOMPOSITE PROPERTIES

Discharge Capacity	l/min/m width i = 100%	ASTM 4716	155*	250*
Compressive Strength ASTM 1612	kPa		> 200	> 200
Product Width	m		1.0	1.0
Product Length	m		25	25
Transportation Dimensions	m		0.65 ϕ x 1	0.85 ϕ x 1

* Product tested at an equivalent soil surcharge > 8m depth

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