

ProDrain SD 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 | | | | |
| GEOCOMPOSITE PROPERTIES | | | | | | | |
| Discharge Capacity | l/min/m width i = 1% | ASTM 4716 | > 100 | > 100 | > 100 | > 100 | > 100 |
| Product Depth | mm | | 100 | 200 | 300 | 400 | 500 |
| Product Length | m | | 50 | 50 | 50 | 50 | 25 |
| Transportation Dimensions | m | | 1.6 ø x SD Product Depth | | | 1.2 ø x 0.5 | |

- DISTRIBUTORS OF :
- Geotextiles**
 - Geogrids**
 - Dewatering Tubes**
 - Subsoil Drainage**
 - Wick Drains**
 - Erosion Control**
 - Gabions & Rock Mattresses**
 - Industrial Fabrics**
 - Lining Systems**

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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