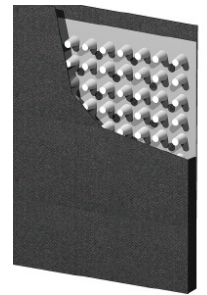


SITEDRAIN™ C-180

PREFABRICATED CHIMNEY DRAIN

SITEDRAIN C-180 Series prefabricated chimney drains are constructed by fully wrapping a high strength, high flow capacity, perforated polystyrene drainage core with a nonwoven filter fabric. The filter fabric is bonded to the core and prevents soil intrusion into the flow channels while allowing water to freely enter the drain core from both sides.

SITEDRAIN C-180 chimney drains are available in 12", 16" and 24" widths, and provide a time saving, effective drainage solution for reducing hydrostatic pressure against retaining walls where full wall coverage is not required or feasible.



| Typical Property Values | ASTM Test Method | Unit of Measure | C-180 |
|---|------------------|---------------------|--------|
| FABRIC | | | |
| Material ¹ | | | PP |
| Water Flow Rate | D 4491 | gpm/ft ² | 150 |
| | | Lpm/m ² | 6,113 |
| Grab Tensile Strength | D 4632 | lbs | 115 |
| | | N | 512 |
| CBR Puncture Resistance | D 6241 | lbs | 320 |
| | | kN | 1.41 |
| Apparent Opening Size | D 4751 | sieve | 70 |
| | | mm | 0.210 |
| Permittivity | D 4491 | sec ⁻¹ | 2.2 |
| Grab Elongation | D 4632 | % | 70 |
| UV Resistance | D 4355 | % / 500 Hrs | 70 |
| AASHTO M 288-06 ² | Survivability | - | - |
| CORE | | | |
| Material ¹ | | | HIPS |
| Thickness | D 1777 | in | .44 |
| | | mm | 11 |
| Compressive Strength | D 6364 D 1621 | psf | 18,000 |
| | | kPa | 862 |
| Flow Rate ³ | D 4716 | gpm/ft | 21 |
| | | Lpm/m | 261 |
| 1 - PP = Polypropylene; HIPS = High Impact Polystyrene 2 - AASHTO Designation: M 288-06 Standard Specification for Highway Applications; American Association of State Highway and Transportation Officials, 2006. Geotextile survivability classification from installation stresses in subsurface drainage applications. 3 - In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0. | | | |

All technical information contained in this document is accurate as of time of publishing. AWD reserves the right to make changes to products and literature without notice. Please refer to our website for the most current technical information available. Unless otherwise stated, all physical and performance properties listed are Typical Values as defined in ASTM D 4439.

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