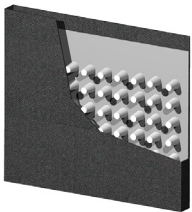


SITEDRAIN™ HQS SERIES

PREFABRICATED BASE DRAINS



PRODUCT OVERVIEW

SITEDRAIN HQS Series prefabricated base drain combine a high-profile perforated strip drain core with a transition flange for connection to SITEDRAIN Sheet DS Series prefabricated drains. Constructed using a high strength, high flow capacity formed polystyrene drainage core, SITEDRAIN HQS has a nonwoven filter fabric bonded to both sides. The filter fabric prevents soil particles from entering the flow channels while allowing water to freely enter the drain core from both sides. SITEDRAIN HQS is designed as a direct replacement for costly perforated pipe and stone drainage system in soil drainage applications.

SITEDRAIN HQS is available with filter fabrics meeting AASHTO M 288-06 specifications.

PACKAGING: HQS 1200 Series - 12" x 150' Rolls
 HQS 1800 Series - 18" x 150' Rolls

| Typical Property Values | ASTM Test Method | Unit of Measure | 1200 | 1240 | 1260 | 1280 |
|------------------------------|------------------|---------------------|-------|---------|---------|---------|
| | | | 1800 | 1840 | 1860 | 1880 |
| FABRIC | | | | | | |
| Material ¹ | | | PP | PP | PP | PP |
| Water Flow Rate | D-4491 | gpm/ft ² | 150 | 150 | 110 | 90 |
| | | Lpm/m ² | 6,113 | 6,113 | 4,483 | 3,668 |
| Grab Tensile Strength | D-4632 | lbs | 115 | 130 | 160 | 205 |
| | | N | 512 | 578 | 712 | 912 |
| Puncture Resistance | D-4833 | lbs | 70 | 75 | 90 | 120 |
| | | N | 311 | 334 | 400 | 534 |
| Apparent Opening Size | D-4751 | sieve | 70 | 70 | 70 | 80 |
| | | mm | 0.210 | 0.210 | 0.210 | 0.177 |
| Permittivity | D-4491 | sec ⁻¹ | 2.2 | 2.1 | 1.8 | 1.3 |
| Grab Elongation | D-4632 | % | 70 | 70 | 70 | 70 |
| UV Resistance | D-4355 | % / 500 Hrs | 70 | 70 | 70 | 70 |
| AASHTO M 288-06 ² | Survivability | - | - | Class 3 | Class 2 | Class 1 |
| CORE | | | | | | |
| Material ¹ | | | HIPS | HIPS | HIPS | HIPS |
| Thickness | D-1777 | in | 1.0 | 1.0 | 1.0 | 1.0 |
| | | mm | 25.4 | 25.4 | 25.4 | 25.4 |
| Compressive Strength | D-1621 | psf | 9,000 | 9,000 | 9,000 | 9,000 |
| | | kPa | 431 | 431 | 431 | 431 |
| Flow Rate ³ | D-4716 | gpm/ft | 21 | 21 | 21 | 21 |
| | | Lpm/m | 261 | 261 | 261 | 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 0.1.



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RECYCLED
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