

SITEDRAIN™ STRIP 6800

PREFABRICATED STRIP DRAIN



PRODUCT OVERVIEW

SITEDRAIN Strip 6800 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 6800 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring moderate strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

| PROPERTY ¹ | TEST METHOD | UNIT OF MEASURE | Typical Value | MARV |
|--|--------------------------|-----------------------|---------------|----------|
| GEOTEXTILE | | | | |
| Material ² | | | PP, NPNW | PP, NPNW |
| Survivability | AASHTO M288 | Class | 1 | 1 |
| Grab Tensile Strength | ASTM D4632 | lbs | 245 | 205 |
| | | N | 1,090 | 912 |
| Grab Elongation | ASTM D4632 | % | 60 | 50 |
| CBR Puncture | ASTM D6241 | lbs | 580 | 535 |
| | | N | 2,580 | 1,380 |
| Trapezoidal Tear | ASTM D4533 | lbs | 100 | 80 |
| | | N | 445 | 356 |
| UV Resistance | ASTM D4355 | % / 500 Hrs | 70 | 70 |
| Apparent Opening Size (AOS) ³ | ASTM D4751 | sieve | 80 | 80 |
| | | mm | 0.180 | 0.180 |
| Permittivity | ASTM D4491 | sec ⁻¹ | 1.8 | 1.4 |
| Water Flow Rate | ASTM D4491 | gpm / ft ² | 135 | 100 |
| | | Lpm / m ² | 5,501 | 4,074 |
| CORE | | | | |
| Compressive Strength | ASTM D6364 ASTM D1621 | psf | 6,000 | - |
| | | kPa | 287 | - |
| Thickness | ASTM D5199 | in | 1.0 | - |
| | | mm | 25.4 | - |
| In-Plane Flow Rate ⁴ | ASTM D4716 | gpm/ft | 21 | - |
| | | Lpm/m | 261 | - |

| MODEL | WIDTH | ROLL LENGTH | ROLL WEIGHT | ITEM CODE |
|-------|-------|-------------|-------------|-----------|
| 6806 | 6" | 150' | 31 lbs | 10500 |
| 6812 | 12" | 150' | 57 lbs | 10510 |
| 6812 | 12" | 500' | 190 lbs | 12080 |
| 6818 | 18" | 150' | 75 lbs | 10520 |
| 6824 | 24" | 150' | 101 lbs | 10530 |
| 6836 | 36" | 100' | 101 lbs | 10540 |

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

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