



Ultra-Shield™ Strip Drain 6" & 12"

(#56-STDR)

Ultra-Shield Strip Drain prefabricated soil drains are constructed by fully wrapping a perforated, high flow capacity polystyrene 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 all sides.

Ultra-Shield Strip Drain is a cost-effective, sustainable, performance driven alternative to perforated pipe & stone systems and is available in 6" & 12" widths with roll lengths of 150'.



TECHNICAL DATA

FABRIC	ASTM TEST METHOD	UNIT OF MEASURE	TYPICAL VALUES
Material ¹			PP
Water Flow Rate	D-4491	gpm/ft ²	150
		Lpm/m ²	6113
Grab Tensile Strength	D-4632	lbs	115
		N	512
Puncture Resistance	D-4833	lbs	70
		N	311
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	1.0
		mm	25.4
Compressive Strength	D-1621	psf	6,000
		kPA	287
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 information, drawings and specifications are based on the latest product information available at the time of printing. Constant improvement and engineering progress make it necessary that we reserve the right to make changes without notice. All physical properties are typical values unless otherwise stated. Standard variations in mechanical properties of 10% and in hydraulic properties of 20% are normal.

STRIP DRAIN ADVANTAGES:

COST SAVINGS

The Ultra-Shield Strip Drain offers better draw down of water than pipe while costing around 66% less to install.

EASE OF INSTALLATION

No heavy equipment or skilled labor is required to install the light weight, easy to handle Ultra-Shield Strip Drain.

CLOG RESISTANT

The high flow design of the core allows multiple channels for vertical and horizontal water flow. The filter fabric allows for high volume water entry while restraining soil particles.

STRONG AND DURABLE

High strength core resists damage during installation and backfill. The tear and puncture resistant fabric helps ensure no damage during use.

CHEMICAL RESISTANT

The Ultra-Shield Strip Drain resists all natural occurring soil materials.



RECYCLED
MATERIALS

