



A Subsidiary of Garland Industries

# DrainMax™ Strip Drain

## DESCRIPTION

DrainMax™ soil strip drain is a two-part pre-fabricated soil strip drain consisting of a formed polystyrene core covered on all sides with a nonwoven, needle-punched polypropylene filter fabric. The fabric allows water to pass into the drain core while restricting the movement of soil particles which might clog the core. The core allows the water to flow to designated drainage exits.

## USES

DrainMax soil strip drain is designed to replace perforated pipe and stone drainage systems in various applications. It provides a significantly higher flow rate as well as increased ease of handling and installation. The product can be used alone or with other American Wick Drain products, depending on the application.

## PACKAGING

- 6" x 150' Rolls
- 12" x 150' or 500' Rolls
- 18" x 150' or 500' Rolls
- 24" x 150' or 500' Rolls
- 36" x 100' Rolls

## INSTALLATION

**Drain Attachment Methods** - When attachment to waterproofing material, concrete or wood is necessary, several methods may be used including metal stick pins, nails driven through washers or wood lathing, construction adhesives or double sided tape. Discuss materials compatibility with waterproofing supplier before using adhesives. Typically any method used for attaching waterproofing protection board will work with drain.

**Outlets** - Fittings are available to connect DrainMax to 4" pipe. These are available in several configurations, depending on drain width and pipe location. Details are available upon request.

**Corners** - Fittings are available for bending drain around corners. Detailed instructions for installation of fittings available upon request.

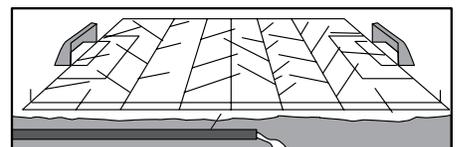
**Backfilling** - Soil should be placed and compacted directly against the drain. Direct compactor exhaust away from drain to prevent damage. Backfill to a minimum 3" above drain to allow for coverage after settlement.



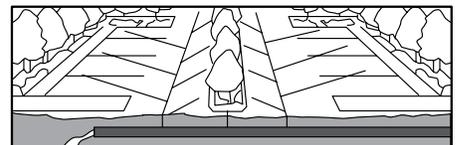
For golf course tees, fairways and greens



For residential and commercial properties



For other athletic fields or recreational areas



For parking areas and planters



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## TECHNICAL DATA

Core Properties	Test Method	Value
<b>FABRIC PROPERTIES</b>		
Material	Polypropylene	
Grab Tensile Strength	ASTM D 4632	110 lbs.
Puncture Strength	ASTM D 4833	65 lbs.
Trapezoidal Tear	ASTM D 4533	50 lbs.
Mullen Burst Strength	ASTM D 3786	215 psi
Elongation	ASTM D 4632	60%
EOS (AOS)	ASTM D 4751	100 sieve
Permittivity	ASTM D 4491	1.6 sec
Permeability	ASTM D 4491	0.3 cm/sec
Flow Rate	ASTM D 4491	150 g/min/ft
UV Resistance (After 500 hrs.)	ASTM D 4355	70%

Drain Properties	Test Method	Value
Peel Strength	ASTM D 1876	38 lbs./ft.
Compressive Strength	ASTM D 1621 (Mod.)	6,000-9000 lbs./ft.
Shear Strength	ASTM D 1621 (Mod.)	6,000-9000 lbs./ft.
Fungus Resistance (Core)	ASTM G 21	No Growth
Unobstructed Inflow Area (Primary Side)		85%
In-Plane Flow (Hydraulic gradient=0.1, Loading=10 psi)	ASTM D 4716	21 gpm/ft width

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