



# TECHNICAL DATA SHEET

# DRAINSTAR® WALL DRAIN

Prefabricated Soil Sheet for Below Grade  
Waterproofing

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## PRODUCT DESCRIPTION

DrainStar Wall drain is a two-part prefabricated soil sheet drain designed to control below grade water. The fabric allows water to pass into the drain core, while restricting soil particles from entering. The core allows water to gravity drain to the installed drain tile and gravel system of Drain Strip Drain System, and then to the designated drainage exits, such as daylight, a sump crock, or weep hole exits.

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## PACKAGING

Wall Drain 90

- 4' x 50' rolls
- 6 rolls per pallet

Wall Drain 720

- 6' x 65.5' rolls
- 6 rolls per pallet

Wall Drain 960

- 8' x 65.6' rolls
- 6 rolls per pallet

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## ATTACHMENT METHOD

DrainStar Wall Drain can be attached using powder actuated fasteners, gas cartridge nails, or hand installed using masonry nails. Nails of ½", ¾" or 1" length are acceptable, used with washers.

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## COLLECTION SYSTEMS

DrainStar Wall Drain is used as a drainage and protection layer with Tremco waterproofing and damp proofing membranes.

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## INSTALLATION INSTRUCTIONS

### Installation Instructions for Foundation Walls

1. Cut DrainStar Wall Drain from bottom edge to desired height, ensuring that the bottom edge of the Wall Drain will rest directly above the weep holes, and the top flanged edge will terminate at desired finished grade.
2. When using a second roll on top of the roll that sits on the footing, the top roll fabric flange must shingle over the first roll a minimum of one inch. The shingled overlap area should be fastened.
3. Ensure all roll ends and edges are covered with fabric by overlapping a new roll of DrainStar Wall Drain three inches over the end of the existing roll and covering any exposed core on either roll. At terminations, remove two to three inches of the core and tuck excess fabric behind the core and fasten.
4. All exposed core should be covered with fabric.

### Retaining Wall Applications

1. For retaining wall applications with mid-wall weep hole exits, the DrainStar Wall Drain does not need to extend to footing level. The DrainStar Wall Drain bottom edge will rest directly above the weep holes.
2. Follow Installation Instructions for Foundation Walls for all other steps.

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## HANDLING REQUIREMENTS

### Installation

- Limit unpackaged material UV exposure to a cumulative maximum of 14 days during installation.
- Do not install materials during high wind events.
- Do not install materials when ambient temperatures are below 20°F or above 100°F.
- Do not expose materials to chemicals that are strong acids, strong bases, or high in solvents content.
- Protect materials from site construction damage, flames, and other environmental conditions that may damage the

materials.

**Storage**

- Store materials in protected environment until time of installation.
- Materials not shipped in UV-resistant bags must be stored indoors or under separate UV-protective cover to protect materials from exposure to direct sunlight.
- UV-resistant bagged materials may be stored in outdoor UV-exposed environments for a cumulative maximum of 180 days.

**TYPICAL PHYSICAL PROPERTIES**

	TEST METHOD	WALL DRAIN 90	WALL DRAIN 720	WALL DRAIN 960
<b>FABRIC</b>				
<b>Material</b>		Polypropylene	Polypropylene	Polypropylene
<b>Grab Tensile Strength</b>	D-4632	90 lbs	115 lbs	115 lbs
<b>Grab Elongation</b>	D-4632	65%	70%	70%
<b>CBR Puncture Strength</b>	D-6241	225 lbs	320 lbs	320 lbs
<b>Puncture Resistance</b>	D-4833			
<b>Water Flow Rate</b>	D-4491	190 gpm/ft <sup>2</sup>	150 gpm/ft <sup>2</sup>	150 gpm/ft <sup>2</sup>
<b>Permittivity</b>	D-4491	2.7 sec <sup>-1</sup>	2.2 sec <sup>-1</sup>	2.2 sec <sup>-1</sup>
<b>Apparent Opening Size</b>	D-4751	50 sieve	70 sieve	70 sieve
<b>UV Resistance</b>	D-4355	70% / 500	70% / 500	70% / 500
<b>CORE</b>				
<b>Material</b>		Polystyrene	Polystyrene	Polystyrene
<b>Thickness</b>	D-5199	.25 in	.315 in	.315 in
<b>Compressive Strength</b>	D-1621	9,000 psf	5,200 psf	5,200 psf
<b>Flow Rate*</b>	D-4716	12.5 gpm/ft	12.5 gpm/ft	12.5 gpm/ft

Please refer to our website at [www.tremcosealants.com](http://www.tremcosealants.com) for the most up-to-date Product Data Sheets.

**NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.**

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