

# DrainStar® Stripdrain



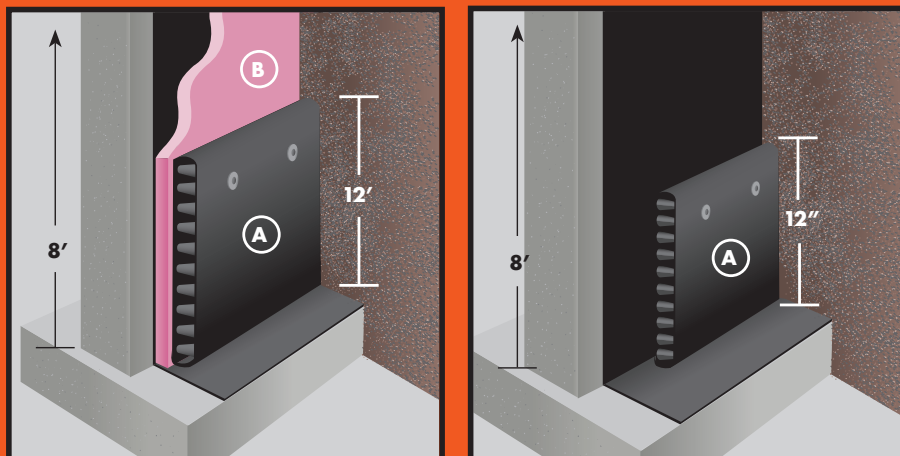
DrainStar® Stripdrain features two hard-working components:

1) a rigid polymer core of engineered cones that collect and move water to designated drainage exits, and

2) a non-woven, needle-punched geotextile filter fabric to strain out backfill soils and other particles.

## DRAIN AWAY WATER, NOT TIME.

NOW, YOUR BARRIER SOLUTIONS CONTRACTOR CAN INSTALL AN EFFECTIVE FOUNDATION DRAINAGE SYSTEM AT THE SAME TIME THEY'RE ON SITE TO INSTALL YOUR BASEMENT WATERPROOFING SYSTEM! SO WITH JUST ONE CALL, YOU CAN TAKE CARE OF ALL YOUR FOUNDATION WATER PROTECTION NEEDS.



Drain tile and gravel systems have a water collection area of a minimum 24 square inches per foot in length. By combining DrainStar (A) with at least 24 inches of a quality foundation drainage board such as WARM-N-DRI® (B), you'll match the water collection area of a drain tile and gravel system. WARM-N-DRI board has a 35-year track record of below-ground drainage performance.

## RECOMMENDED INSTALLATION INSTRUCTIONS

1. Unwind roll of DrainStar around excavation.
2. Starting at the termination point of DrainStar (at the sump connector tile or daylight exit), place DrainStar vertically against the foundation wall. The flap of filter fabric should face down, when it is an application with dimples facing in.
3. Attach DrainStar to the wall with powder actuated fasteners every 4-5 feet, as necessary to keep DrainStar snug against WARM-N-DRI. Fasteners should be installed at a level near the top of the DrainStar, to prevent soil backfill from folding the DrainStar over. For proper fastener type, size and installation tool, contact Tremco Barrier Solutions Technical staff at 1-800-876-5624. Do not use fasteners or nails that are too long, which may be damaged or knocked loose during backfill. After installation, a nail or fastener should stick out no more than one half inch from the DrainStar.
4. DrainStar can be maneuvered to fit inside and outside corners. Do not fasten DrainStar to the foundation wall closer than one foot on

either side of corners, unless corner guards are used. It is normal to have a small amount of slack or gap between DrainStar and the wall corners when bending the DrainStar away from the dimple face. When bending toward the dimple face, a tight corner can be made, and the DrainStar will fit snugly into or around the corner.

- Although not required, corner guards are recommended for use with DrainStar when bending DrainStar away from the dimple face at corners.
- For applications with WARM-N-DRI, DrainStar dimples face in, corner guards are recommended for inside corners.
- For membrane only applications, DrainStar dimples face out, corner guards are recommended for outside corners.
- To install corner guards, slit the DrainStar dimple fabric vertically between the dimples at the location of the corner, bend the DrainStar to a sharp bend and place the corner guard over the open DrainStar fabric slit. Wrap the fabric tightly around the DrainStar and tape to secure; the top fabric edge should wrap over the bottom. The corner guard will be against the WARM-N-DRI board on inside corners, and will be outside the DrainStar on outside corners of membrane only applications.

# RECOMMENDED INSTALLATION INSTRUCTIONS, CONTINUED

5. Continue with installation until reaching the drain exit point(s).

- For daylight or walk out drainage, install a DrainStar universal outlet fitting directly to the end of the DrainStar. Secure the fitting with a powder actuated fastener to ensure it does not become disconnected from the DrainStar. To connect a 4" pipe to the DrainStar universal outlet, fasten the 4" pipe with 3" tape, screws or a 4" interior coupling.
- For sump connections, install a DrainStar universal tee fitting within two feet of the sump sleeve through the footing. Secure the fitting with a powder actuated fastener to ensure it does

not become disconnected from the DrainStar. Cut and remove the filter fabric (dimple face out applications) or fabric and core (dimple face in applications) out of the DrainStar around the inside hole of the 4" tee fitting (removing the fabric/fabric and core allows water to exit the DrainStar with out restriction). To connect a 4" pipe from the universal tee fitting to the sump sleeve, use 4" corrugated pipe or 4" PVC with elbows. Fasten the 4" pipe with 3" tape, screws or a 4" interior coupling. If possible, backfill the 4" pipe connection with gravel or soil with a shovel to ensure that the pipe is not damaged during backfill.

## Replaces gravel and drain tile.

DrainStar is an effective replacement for traditional foundation drain tile and gravel systems, and can be applied to waterproofing applications with or without added foundation drainage boards. However, applications with foundation drainage boards provide additional assurance that the drainage system will remove the maximum amount of water from the soil as quickly as possible. These applications include those with full-wall coverage of drainage boards, or those with 24 inches of drainage boards at the footer.

The proper orientation of the DrainStar during application is important for effectiveness of the application. For applications with foundation drainage boards, the DrainStar should be applied with the 'dimples' inward toward the drainage board. For applications without foundation drainage board, DrainStar should be applied with the 'dimples' facing outward.

## Installed by experts.

DrainStar is designed to be used in combination with TUFF-N-DRI®, WATCHDOG WATERPROOFING® and other quality waterproofing products from Tremco Barrier Solutions. Your Barrier Solutions Contractor has the experience and training to ensure quality application of DrainStar and the waterproofing product you prefer.

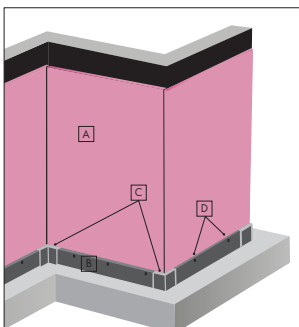
## Flow characteristics.

DrainStar provides a water flow rate of 150 gallons/ft<sup>2</sup> (when tested to ASTM D4491).

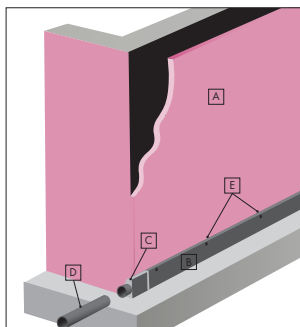
## Check out DrainStar today.

For more information about DrainStar, talk to your local Barrier Solutions Contractor, call Tremco Barrier Solutions at **800-DRY-BSMT** or visit **GuaranteedDryBasements.com**.

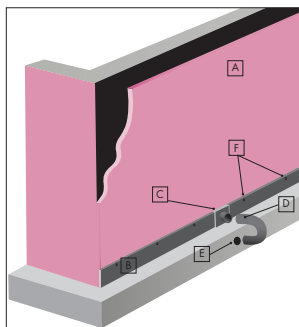
Your local  
Barrier Solutions Contractor is:



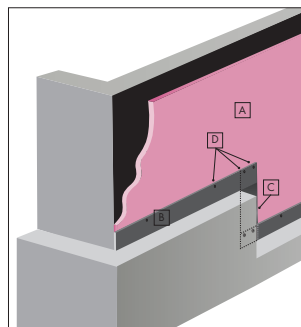
CORNER GUARDS - OPTIONAL:  
[A] TUFF-N-DRI System  
[B] DrainStar  
[C] Corner Guards  
[D] Fasteners



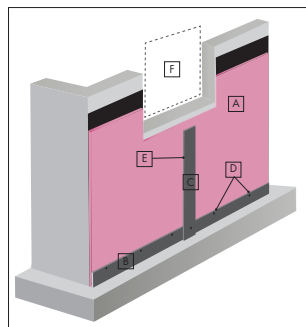
UNIVERSAL END OUTLET:  
[A] TUFF-N-DRI System  
[B] DrainStar  
[C] Universal End Outlet  
[D] Flexible Pipe  
[E] Fasteners



UNIVERSAL TEE OUTLET:  
[A] TUFF-N-DRI System  
[B] DrainStar [C] Universal Tee  
[D] Flexible Pipe  
[E] Sleeve to interior drain  
[F] Fasteners



STEPDOWN:  
[A] TUFF-N-DRI System  
[B] DrainStar  
[C] DrainStar Stepdown Piece (installed on top or eggshelled)  
[D] Fasteners



DRAINSTAR CHIMNEY:  
[A] TUFF-N-DRI System  
[B] DrainStar [C] Chimney  
[D] Fasteners  
[E] Fabric Covering DrainStar Dimples  
[F] Egress Window

**DrainStar**® The smart way to drain.

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**TREMCO**  
Barrier Solutions

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