



Totalflow™

High-Capacity Sheet Molded Perimeter Drain

Product Information Sheet

*Poly Wall® Building Solutions is an innovator of high-quality, cost-effective, engineered building materials. We stand behind our brand promise — **Moisture and Air Stop Here®**. Visit our website at www.poly-wall.com for the full array of products.*

DESCRIPTION

Poly Wall® Totalflow™ is a prefabricated, high-capacity sheet molded perimeter drainage system constructed using a formed polystyrene core, designed specifically to transition water collected from sheet drains to an outlet drain.

USES

Totalflow™ is used for below-grade relief of hydrostatic pressure over foundation and retaining walls. Basic post-applied perimeter drainage and protection course uses include the following:

- Sheet-applied waterproofing
- Fluid-applied waterproofing



** Totalflow™ End Outlets & Totalflow™ Tee Outlets are sold separately.*

ADVANTAGES

- The high-profile Totalflow™ section has a larger open area than perforated pipe, allowing it to accept higher water flow from the sheet drain and surrounding soil.
- Totalflow™, with its manufactured transition between the sheet drain and high-profile section, provides a secure flow path not dependent upon as a field-installed connection, as with the perforated pipe.
- The Totalflow™ System is fast and easy to install. It eliminates the select backfill requirements normally required to provide strength to perforated pipe.

WHY USE POLY WALL® TOTALFLOW™ DRAIN BOARD?

- Allows you to create a complete, functioning and properly detailed water removal system.
- 60 years of successful waterproofing experience.
- Poly Wall® is an employee owned company, where employees expect more of themselves and the company.
- Made in the USA.
- See more online, visit us at www.poly-wall.com.



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LIMITED WARRANTY

Poly Wall® Building Solutions will replace F.O.B. Ennis, TX, any material with manufacturing defects which cause leaks for a period of 1 year from date of purchase. Poly Wall® Building Solutions will not be liable for any other claims or damages, whether direct or indirect, including consequential damages or incidental damages.

Totalflow™ Drainboard Packaging

PRODUCT NAME	PART #	UNIT SIZE
Totalflow™	TOTAL FLOW	24" x 50' roll
Totalflow™ End Outlet 4"	OUTLET 4-UNIV	5" x 5" x 9"
Totalflow™ Tee Outlet 4"	TEE4-UNIV	7-1/2" x 6-1/4" x 6-3/4"
Polyflow® 10	POLYFLOW10	4' x 50' roll
Quick Grip Spray Adhesive	QGADH30	30# canister



Totalflow™ Tee Outlet



Totalflow™ End Outlet

Totalflow™ Drainboard Properties

PROPERTY	TEST METHOD	TYPICAL VALUE
CORE		
Material		Polymeric
Thickness		0.44 inch
Compressive Strength	ASTM D 1621	9,000 lbs/ft ²
In-Plane Flow Rate ¹	ASTM D 4716	21 gpm/ft
FABRIC		
Material		Polymeric
Grab Tensile Strength	ASTM D 4632	100 lbs.
CBR Puncture Strength	ASTM D 6241	115 lbs.
EOS (AOS)	ASTM D 4751	70 US Sieve
Water Flow Rate	ASTM D 4491	150 g/min/ft ²

¹ - In plane flow rate measured at 3,600 psf (172 kPa) compressive load and hydraulic gradient of 0.1

INSTALLATION GUIDELINES FOR POLY WALL® TOTALFLOW™ DRAINBOARD

The installation guidelines provided below are not intended to be full and complete application instructions.



VERTICAL INSTALLATION

- Over post-applied sheet- or fluid-applied waterproofing, place the fabric side to the interface with the back-fill material.
- The first row of drain to be installed is the Totalflow™ at the bottom of the wall. The drain should sit on top of the footing with the high-profile part of the drain at the bottom to provide high lateral water flow.
- Attach Polyflow® 10 Drainboard sheet to top portion Totalflow™ and run up the wall attaching with spot adhesive for full wall coverage.

STEP 1 - Placement

- When full wall drainage is required, tie-in Polyflow® 10 Sheet Molded Drainage to the top edge of the Totalflow™. Peel back fabric and interlocking at least two rows of dimples; and then overlap fabric and tape or secure with glue to prevent soil or concrete intrusion.
- If not using Polyflow® 10 for full wall coverage, close the top end of the drain to prevent soil intrusion by folding the fabric behind the drain.
- Totalflow™ Tee and End Outlet Fittings are available for transitioning to a hard pipe system.

STEP 2 – RECOMMENDED ADHESIVE

Adhere Totalflow™ to the face of post-applied sheet- or fluid-applied waterproofing membrane using either Poly Wall® Quick Grip Spray Adhesive or another low-rise spray adhesive that is compatible with the sheet or fluid membrane.

