

## 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](http://www.poly-wall.com) for the full array of products.

### DESCRIPTION

Poly Wall® Polyflow® 10 is a sheet molded drain that establishes predetermined pathways for below-grade water management. The factory applied 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. Polyflow® 10 is suitable as a drainage plane and protection layer for Poly Wall® post-applied waterproofing membranes and liquids.

### USES

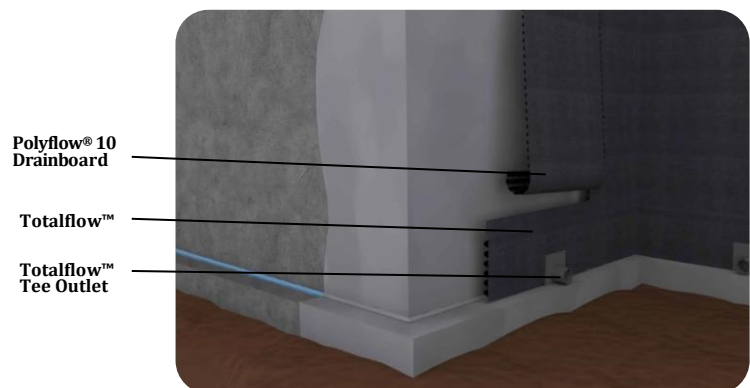
- Below-grade relief of hydrostatic pressure over foundation walls, when connected to a passive gravity drain or operational sump.
- Drainboard serves as a protection board layer for an installed waterproofing membrane and liquids during backfill.
- Use with Totalflow™ Outlet Channel and accessory outlets for a high-capacity collector and outlet drainage system.
- Use with perforated pipe outlet drainage system.

### ADVANTAGES

- Protects primary waterproofing barrier from damage during backfill.
- Lightweight and easy to install.
- Compressive Strength: 11,000 psf.
- Complements the waterproofing system by channeling water away from structure.
- Economical solution.

### WHY USE POLY WALL® POLYFLOW® 10 DRAIN BOARD?

- 60 years of successful waterproofing experience.
- In the construction process there is really only one economical opportunity to properly waterproof the structure.
- Dry buildings are better buildings.
- 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](http://www.poly-wall.com).





## INSTALLATION GUIDELINES FOR POLY WALL® POLYFLOW® 10 DRAINBOARD

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



### 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.

### Polyflow® 10 Drainboard Packaging

PRODUCT NAME	PART #	UNIT SIZE
Polyflow® 10	POLYFLOW10	4' x 50' roll
Quick Grip Spray Adhesive	QGADH30	30# canister
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"



Totalflow™ Tee Outlet



Totalflow™ End Outlet

### Polyflow® 10 Drainboard Properties

PROPERTY	TYPICAL VALUE
<b>DRAIN PROPERTIES</b>	
Flow Capacity	18 g/min/ft
Roll Length	50 ft.
Roll Width	4 ft.
Roll Weight	38 lbs.
<b>CORE PROPERTIES</b>	
Material	Polymeric
Thickness	0.40 inch
Compressive Strength	11,000 lbs/ft <sup>2</sup>
Polymeric film layer	No
<b>FABRIC PROPERTIES</b>	
Material	Polymeric
Grab Tensile Strength	100 lbs.
CBR Puncture Strength	250 lbs.
EOS (AOS)	70 US Sieve
Flow Rate	140 g/min/ft <sup>2</sup>

### VERTICAL INSTALLATION

Place Polyflow® 10 over sheet or fluid waterproofing; place the drainage so the fabric side will interface with the back-fill material.

- Shingle the drainage, one higher sheet over another;
- Shingle the fabric, one fabric over another;
- Tape relief cuts, made during shaping of an outside corner, with duct tape.
- For top termination, tape / glue minimum 3" Polyflow® 10 filter fabric to wall or to back side of Polyflow® 10 drainboard core to prevent infiltration of backfill.

### FASTENING / HOLDING IN POSITION

Hold the Polyflow® 10 Drainboard in place over waterproofing membrane by spot-applying the Poly Wall™ Quick Grip Spray Adhesive to the installed waterproofing substrate and back side of the Polyflow® 10 Drainboard. As an alternative to the Quick Grip Spray Adhesive, the Polyflow® 10 Drainboard can be held physically in place by hand and then backfill against the drainboard in lifts (dry stack) without adhesive.

### TIE-IN TO OUTLET DRAINAGE SYSTEM

Tie the drainage to Totalflow™ in any of the methods as stated in the first paragraph of VERTICAL INSTALLATION.

Connect the bottom portion of the Polyflow® 10 Drainboard to the upper portion of the 24-inch Totalflow™. Attach Tee and End Outlet fittings to your hard pipe drainage system.

### BACKFILL

- Backfill with soil or aggregate in a non-destructive manner. Compact in maximum 12" lifts.
- For backfill over Polyflow® 10 glued to a sheet or fluid waterproofing membrane, take care to keep the backfill material on the soil side of the drainage; prevent backfill material from being deposited between the drainage and waterproofing membrane.
- Shape the final grade to drain surface water away from structure.