



# Blue Barrier™ Liquid Flashing 2100

## 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® Blue Barrier™ Liquid Flashing 2100 is an all-purpose, fluid applied flashing used to create a weather resistant, fully adhered above-grade air barrier membrane around window and door installations.

### ADVANTAGES

- Easy to use trowel application
- Pre-mixed material: No chemical mixing required prior to installation
- Single-component application: No primer required
- Superior shore hardness: Prevents membrane wear and tear
- Permeable: Allows substrates to breathe
- High viscosity: Supports gun and spread applications
- Exceptional adhesion: Bonds well to select above-grade substrates; including Gypsum, ICF, CMU block, concrete, and (untreated) OSB or Plywood sheathings
- Advanced proprietary technology: Produces durable seamless membrane
- Environmentally friendly: Solvent free, isocyanate free and low VOC
- Wet surface application: Bonds and cures over damp above-grade wall substrates clear of detectable surface water, frost, ice, or snow
- Biological growth resistance: Does not provide a food source for biological growth, such as mold
- Great replacement for housewraps: fluid-applied materials can offer an embedded adhesion (bond) into the wall substrate material, versus a sheet-applied material which typically offers only surface adhesion properties

### INSTALLATION

The **sequence** of installation is:

1. Clean rough opening with brush.
2. Install or prepare back dam or positive slope.
  - Pre-treat cracks, holes or imperfections with Blue Barrier™ Joint Filler 2200 sealant.
3. Use sausage gun with applicable tip to achieve desired bead of material, spread with trowel or putty knife.
4. Allow minimum (4) hours to set / cure before continuing work.
5. Install window or door per manufacturer's instructions.
6. Apply PW BB 2100 over the jamb and head flanges.
7. Allow minimum (4) hours to set / cure before continuing work.

### WHY USE POLY WALL® BLUE BARRIER™ LIQUID FLASHING 2100?

- 60 years of successful waterproofing experience
- Provides a durable protection base for window and doors
- Works as a complete system with our PW BB 2300 air barrier liquid (power roller/spray grade)
- Compliant with several NFPA 285 wall assemblies
- Made in the USA

### STORAGE

12 months from manufacture date. Store between 32°F and 80°F.

### LIMITATIONS

- Not designed or approved for below-grade waterproofing applications.
- Approved solvents: Mineral Spirits, Denatured Alcohol, VM&P, Methyl Acetate (VOC Exempt).
- Apply as packaged. Do not dilute or alter.
- Due to the wide variety and composition of substrates, always test a small area of substrate to validate desired result.
- When bonding to surfaces, ensure the surface is clean from dust; debris; and any other coatings, membranes, or membrane residue.
- When applying Liquid Flashing to other Poly Wall® Blue Barrier™ Products, the initial product must be cleaned with approved solvent and brought back to tacky.
- Surface temperatures must be between 33°F - 100°F.
- If you used the plastic trowel or putty knife allow residue product on tools to cure / dry, and then and peel off for the next use.
- Stains from substrate may transfer due to permeability of product but will not alter performance of product.
- Not recommended for use over wood products treated with Disodium Octaborate Tetrahydrate (DOT), commonly known as Borate or SBX, and Chromated Copper Arsenate (CCA).
- Completely cover Blue Barrier™ Liquid Flashing 2100 within (9) months to properly protect from deterioration due to Sun / UV exposure.



SCAN HERE FOR  
INFORMATION ON  
POLY WALL BLUE BARRIER  
JOINT FILLER 2200.



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**LIMITED WARRANTY:** Poly Wall Building Solutions will replace F.O.B. Ennis, TX, any material with manufacturing defects which result in water intrusion 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 dam-

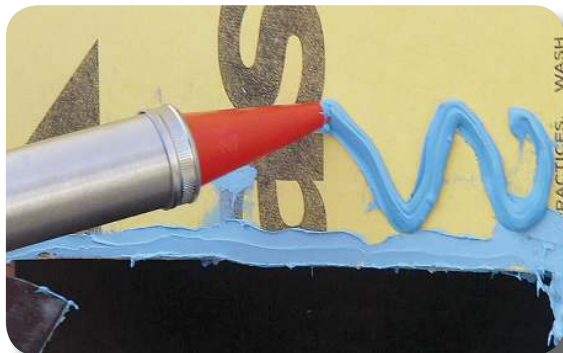
## Blue Barrier™ Liquid Flashing 2100

TYPICAL PROPERTIES - Cured Properties at 21 days	
NFPA 285	Compliant under many wall assemblies
Hardness, Shore A	55-65
Tensile Strength	300-350 psi
Elongation	200-250%
Tear Strength	40-50 psi
Peel Strength	25PLI
Perm Rating	6-8 Perms
Solids Content	100%
UV Exposure	9 months

Tack Free Time	<45 minutes
Cure Rate	1/8" - 16hrs.
VOC Content	<20 g/l

*Note: Cure rates will vary based upon the relative humidity of the application environment.*

SIZE	PART NUMBER
20 oz. Sausage Tube	PWBB.2100.LF.C



# INSTALLATION GUIDELINES FOR POLY WALL® BLUE BARRIER™ LIQUID FLASHING 2100 USED AS A WINDOW & DOOR FLASHING TREATMENT

## STEP 1 - Clean & Prepare Rough Opening

A. Using a stiff brush, followed by a damp rag, and wipe away debris, sawdust, dirt or foreign matter of all surfaces including the rough opening and 6 inches around the outside perimeter of the window opening on the sheathing itself.

B. Provide positive slope on the rough opening sill per Window Manufacturer's Installation Specifications. IMPORTANT: If you choose to do this you must account in advance for the space in the rough opening you take up with the positive slope or your window will not fit.

## STEP 2 - Detail Any Void Up To 3/4"

A. Apply Blue Barrier Joint Filler 2200 sealant with a plastic trowel or putty knife to holes, cracks, imperfections in rough opening & sheathing surrounding opening.

B. In the corners, feel free to use your index finger with a damp cloth over it to press product completely into corner and smooth.

C. On average after (4) hours product is ready for the next step depending on Relative Humidity and Temperature. If it doesn't stick to your finger upon touch it's ready.

## STEP 3 - Apply BB 2100 to Rough Opening

A. Starting on the top inside of the rough opening apply Blue Barrier Liquid Flashing 2100 with sausage gun and trowel smooth so wood is not visible. Minimum 35 mils wet continuous film (46 SF / Gal theoretical coverage rate)

B. Apply in 6-inch to 12-inch lengths, complete inside of rough opening.

C. Apply to outside of rough opening on sheathing, approx 6-inches wide.

D. Allow approximately (4) hours for the flashing to set up depending on Relative Humidity and Temperature. It might still be "tacky" but as long as product does not attach to your finger at touch then your ready to install your window.

E. Because Blue Barrier products are moisture cure, please allow additional cure time for low-humidity climates; or accelerate the curing process in low humidity areas by applying a fine, evenly distributed "mist" of fresh water over the Blue Barrier material.

## STEP 4 - Install Window or Door

A. Install your window or door per manufacturer's specifications and instructions.

B. Many manufacturers call for a compatible sealant to be applied prior to the window being installed into the opening. Poly Wall Blue Barrier Joint Filler 2200 sealant can be used for this purpose.

C. After window has been installed as directed by manufacturer specifications apply Poly Wall Blue Barrier Liquid Flashing 2100 over header and jamb flanges of the window itself with gun and trowel tying it into the existing cured fluid membrane that you had applied earlier. Make sure to completely cover the flange with fluid applied product.

D. It is important to leave the sill flange on the window at the bottom un-flashed with fluid flashing to allow moisture relief in the event of a window leakage.

E. Remove Blue Barrier residue from wall surfaces and/or tools with an approved solvent: mineral spirits, denatured alcohol, or methyl acetate. For plastic trowel or putty knife tools, you may also allow the Blue Barrier Liquid Flashing 2100 to dry / cure and then peel it off prior to re-using the tool. Do NOT clean Blue Barrier Liquid Flashing 2100 residue from wall surfaces or tools using water because the product is a moisture-cure material, so water will aid in the cure cycle of the product.

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