



Blue Barrier™ Flash 'N Wrap™ 2400

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 product offerings.

DESCRIPTION

Poly Wall® Blue Barrier™ Flash 'N Wrap™ 2400 is designed as a liquid applied Window & Door Flashing and Weather Resistant Barrier. Easily applied with a roller Flash 'N Wrap 2400 replaces traditional window tapes and sheet applications and WRB's. No more worry about your tape sticking or tearing when your window is installed. Dries quickly to a tough, **PERMEABLE**, continuous membrane that is durable enough to withstand installation of even the heaviest window or door and protect your investment for years to come. Flash 'N Wrap 2400 is also used as a permeable air barrier wall coating for thin mil building envelope protection applications. Flash 'N Wrap can be roller applied over surfaces and substrates that have been prepared per the Poly Wall Blue Barrier Application Guides.

ADVANTAGES

- Replacement for traditional housewrap: provides embedded adhesion into the substrate surfaces versus housewrap's mechanical attachment
- Finished product produces durable seamless membrane
- One step application: No primer required
- Ideal viscosity: For roller and brush applications
- Environmentally friendly: Solvent free, isocyanate free, low VOC
- Bonds and cures over damp above-grade wall substrates clear of detectable surface water, frost, ice, or snow
- Biological Growth Resistant: Does not provide a food source for biological growth, such as mold
- Exceptional Adhesion: Bonds to a variety of above-grade wall substrate surfaces (Gypsum, CMU block, concrete, and untreated OSB or Plywood sheathings)
- Permeable: Allows substrate to breathe (23 perms @ 25 mils thick)

INSTALLATION SEQUENCE AS WINDOW/DOOR FLASHING

The **sequence** of installation is:

- Clean rough opening with brush
- Apply Poly Wall Blue Barrier Joint Filler 2200 with trowel or putty knife to holes, cracks, imperfections in rough openings & sheathing surrounding opening
- Install or prepare back dam or positive slope
- Apply PW BB 2400 with roller or brush and let cure
- Install window or door
- Apply PW BB 2400 over window flange

WHY USE POLY WALL® BLUE BARRIER™ FLASH 'N WRAP 2400

- We are a manufacturer with 60 years of successful waterproofing experience
- Provides a durable protection base for window and doors
- As a window and door flashing membrane, works towards a complete system with Blue Barrier Joint Filler 2200 (detail sealant) and Blue Barrier Liquid Wrap 2300 (air barrier membrane). As an air barrier membrane, works towards a complete system with itself (liquid flashing), Blue Barrier Liquid Flashing 2100 (liquid flashing), and Blue Barrier Joint Filler 2200 (detail sealant).
- Compliant with several NFPA 285 wall assemblies
- Made in the USA
- Same technology used in commercial construction for years

STORAGE

12 months from manufacture date. Store above 40°F and below 80°F.

LIMITATIONS

- Due to the wide variety and composition of wall substrates, always test a small area of substrate wall to validate desired result.
- Not designed or approved for below-grade waterproofing application.
- Not approved for application over Insulated Concrete Form (ICF) substrates.
- Apply as packaged. Do not dilute or alter.
- Properly dispose of any roller covers and brushes as they will not be reused or cleaned.
- If you used the plastic trowel or putty knife allow residue product on tools to cure/dry, and then and peel off for next use.
- When not dispensing the product, cover the bucket with a lid to ensure the product is the viscosity you want. Prior to re-setting the lid linder, spray a nitrogen blanket to stop the material from prematurely curing. This type of product can be found in "Key Board Cleaner" at office supply stores. Just 2-3 short burst per application is all you need.
- For optimum results, we recommend this product be applied in 40°F and rising temperatures. However, you can apply this down to 25°F depending on the relative humidity. Test a small area to determine how it works on a given day when the temperature is less than 40°F.
- Stains from substrate may transfer due to permeability of product but will not alter performance of product.
- Completely cover BB 2400 within (9) months to protect membrane from sun / UV degradation.
- Ensure all substrate surfaces are clean of dust, debris, and any product residue prior to applying BB 2400.
- Additional BB 2400 material may be necessary on more porous substrates surfaces.
- Not recommended for use over wood products treated with Disodium Octaborate Tetrahydrate (DOT), commonly known as Borate or SBX, and Chromated Copper Arsenate (CCA).



SCAN HERE FOR INFO
ON USING POLY WALL
BLUE BARRIER 2300
AS A SPRAYABLE AIR BARRIER



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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.

Blue Barrier™ Flash 'N Wrap 2400

TYPICAL PROPERTIES - Cured Properties at 21 days

NFPA 285	Compliant under many wall assemblies
Hardness, Shore A	45
Tensile Strength	100 PSI
Elongation	300%
Tear Strength	50-60 PSI
Peel Strength	25 PLI
Perm Rating	23 Perms
UV Exposure	9 Months when used as window/door flashing
UV Exposure	9 Months when used as an air barrier
Solids Content	100%

Uncured Properties

Tack Free Time	<60 minutes
Cure Rate	1/8" - 16hrs.
VOC Content	23 G/L

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

SIZE	PART NUMBER
2 Gallon Pail	PWBB.2400.FNW.2
5 Gallon Pail	PWBB.2400.FNW.5

COVERAGE*

80 SF / Gal @ 20 mils wet continuous film
64 SF / Gal @ 25 mils wet continuous film for flashing applications

*Coverage rates will vary depending on substrate porosity.



INSTALLATION GUIDELINES FOR POLY WALL® BLUE BARRIER™ FLASH 'N WRAP 2400 USED AS A WINDOW & DOOR FLASHING TREATMENT

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

For full application installation scan here



STEP 1 - Clean & Prepare Rough Opening

A. Simply take 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 Poly Wall Blue Barrier Joint Filler 2200 with 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 2400 to Rough Opening

A. Starting on the top inside of the rough opening apply BB 2400 with roller so wood is not visible. A minimum of 25 mils wet continuous film is suggested (64 sf/Gal theoretical coverage rate)

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

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

D. Allow approximately (4) minutes for the flashing to set up depending on relative humidity and temperature. It might still be "tacky" (not cured yet) but as long as product does not attach to your finger at touch then your ready to install your window.

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 can be used for this purpose.

C. After window has been installed as directed by manufacturer specifications apply Poly Wall Blue Barrier Flash 'N Wrap 2400 over header flange of the window itself with your roller or brush 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.

STEP 5 - Apply BB 2400 to substrate wall surface as field air barrier membrane (as needed)

A. Apply Blue Barrier Flash 'N Wrap 2400 as an air barrier membrane (field application) to the wall substrate(s) via roller or brush at a minimum 20 mils wet mils continuous film (80 SF / Gal theoretical coverage rate) and allow a minimum 6 hours to setup, which is based on the ambient temperature and humidity.

B. For high porosity wall substrate surfaces, like high porosity CMU block, a thin cementitious 'parge' coat may be required to seal the porous material prior to Poly Wall application to obtain the listed Poly Wall coverage rate (yield) included in this literature. An alternative is to provide additional Poly Wall Blue Barrier Flash 'N Wrap 2400 material to completely cover more porous substrate wall surfaces.

C. For Blue Barrier clean up and spillage, remove Blue Barrier residue from surfaces equipment, and tools immediately after use and clean with an approved solvent: mineral spirits, denatured alcohol, or methyl acetate. Do NOT clean Blue Barrier Flash 'N Wrap 2400 residue from surfaces with water because the product is a moisture-cure material, so water will only aid in the cure cycle of the product.

D. For any exposed Blue Barrier Flash 'N Wrap 2400 at sill plate area between bottom of wall finishes (cladding) and finish grade, completely cover Blue Barrier Flash 'N Wrap 2400 membrane with an opaque, UV-stable material like metal flashing for Poly Wall UV protection.

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