



# Butyl Flash

Self-Adhering Window/Door Waterproof Flashing

## 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® Butyl Flash Window/Door Tape is used to strip in or flash straight window frames, door frames, and other construction seams. Butyl Flash is a self-adhering, self-sealing, waterproof butyl based asphalt tape laminated to polyethylene film. The flashing is supplied in rolls, with an easy to remove film release liner. Butyl Flash® is available in 20 mil thickness and a variety of roll sizes.

### USES

Butyl Flash products are used to strip in or flash straight window frames, and other construction seams. In both hot and cold temperature ranges, Butyl Flash will provide additional adhesion. Butyl Flash can typically be used down to 15°F.

### ADVANTAGES

- Temperature Ranges: Especially formulated for low temperature applications.
- Simple Application: On and off the job site quickly.
- Self Seals: Provides a smooth, watertight surface around nails, staples, and fasteners.
- Waterproofs: Inhibits mold and mildew in sub-surfaces.
- Superior Adhesion: Enhancing speed on the job. Improves productivity in a variety of conditions.
- Great Elasticity: Resists cracking or tearing if structural movement occurs.

### INSTALLATION

The **sequence** of installation is:

1. Install horizontal strip on sill.
2. Set window unit per manufacturers instructions.
3. Adhere vertical strips to jamb flanges and sheathing.
4. Adhere horizontal strip to straight head flange and sheathing.
5. Roll all tape surfaces with a hand roller.

### WHY USE POLY WALL® BUTYL FLASH®?

- Allows you to complete dry in even when the weather has turned cold.
- Our durable facing performs under tough job site conditions.
- 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](http://www.poly-wall.com).

### STORAGE

Clean and dry inside storage is preferable. If you are installing in cool weather, store material inside at room temperature for 24 hours prior to installation. Keeping the roll warm will improve the adhesion of the material when you install it.

### WARNINGS

- Make sure caulks or sealants which may come into contact with the adhesive portion of a rubberized asphalt flashing product do not contain plasticizers or solvents. This includes most polyurethane and silicone caulks.
- Do not follow the practice of using a “knockdown bead” or “buttering the flashing” with sealants. Always tool off excess sealant from window flanges or flashing.



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### Construction Waterproofing Tapes

**LIMITATIONS:** Butyl Flash can be applied to vinyl windows which have rigid fins. However, Butyl Flash should not be applied to flexible vinyl film or surfaces. This material is NOT compatible with EPDM materials and is not compatible with sealants and caulks containing plasticizers or solvents. Test for adhesion at the start of the job to see if there is sufficient adhesion. This material may also be mechanically fastened using nails, screws, or staples if conditions make adhesion difficult. Butyl Flash may be left exposed for up to 120 days.

**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.

### Butyl Flash (20 mil)

ROLL SIZES	ROLLS/BX	LIN FT PER BOX	LBS/BOX	BOXES/PALLET
4" X 100'	9	900	50	42
6" X 100'	6	600	50	42
9" X 100'	4	400	50	42
12" X 100'	3	300	50	42

PROPERTY	Butyl Flash
Thickness (mils) (+-.05)	22 mils
Water Vapor Transmission ASTM E 96 (Method B)	0.14 Perms
Peel Adhesion to primed steel ASTM D 1000	6.1 lbs/in width
Elongation-Ultimate Failure or Rubberized Asphalt ASTM D 412 (Modified Die C)	M-400% T-291%
Softening Point ASTM D36	Estimate range. 180-200 F
Low Temperature Pliability ASTM D 146 (Modified)	Pass

### Butyl Flash Properties

TEST	RESULT	MINIMUM REQUIREMENT	PASS / FAIL
Tensile Strength			Pass
Water Penetration Resistance around Nails - Prior to Thermal Cycling	No water in bottom can, on nail shanks or on the underside of the sheathing	No water in bottom can, on nail shanks or on the underside of the sheathing	Pass
Water Penetration Resistance around Nails - After Thermal Cycling	No water in bottom can, on nail shanks or on the underside of the sheathing	No water in bottom can, on nail shanks or on the underside of the sheathing	Pass
90° Peel Adhesion on OSB	3.2 lbs/in	1.5 lbs/in	Pass
Cold Temperature Pliability	No visible signs of cracking	No visible signs of cracking	Pass
Self-Resistance to Peeling	No peeling	Report only	Pass

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## INSTALLATION GUIDE FOR BUTYL FLASH WITH A WEATHER RESISTANT BARRIER (WRB)

The installation sequence is intended for simple application on a WRB. All surfaces must be clean, dust-free, smooth and dry. All edges must be shingle lapped to prevent entry of water. Highly recommend using a hard roller on all tapes seams.

For full application directions, scan here



### STEP 1 - Preparation, Cutting WRB, Sill Flashing



1. Install a back dam and/or positive slope on the sill.
2. Cut an inverted "Y" in the WRB folding and securing it to the inside at the jambs and sill.
3. At the header section cut the WRB at a 45 degree angle from the corners of the rough opening and temporarily secure exposing the substrate.
4. Cut a section of Butyl Flash the width of the rough opening + 9". Centering the tape across the sill, remove the release liner and install Butyl Flash on the sill.
5. Cut the Butyl Flash at the corners of the rough opening so the flashing may be folded onto the WRB surface.
6. Cut flashing patches of Butyl Flash and install at each of the sill corners.
7. Set window into the rough opening, plumb, level, and square per manufacturer's instructions. Apply compatible sealant on back of flanged window prior to installation.

### STEP 2 - Jamb Flashing



1. Measure and cut 2 sections of Butyl Flash that will overlap the sill tape at the bottom and extend 3" above the rough opening, extending onto the exposed substrate.
2. Install these vertical sections of Butyl Flash over the jamb flanges and to the substrate or WRB.
3. Roll with J roller.
4. DO NOT INSTALL Butyl Flash tape over the bottom window flange. Leaving this area open will allow water to drain to the exterior WRB surface in the event of a window leak.

### STEP 3 - Head Flashing



1. Measure and cut 1 piece of Butyl Flash that will overlap and extend 2" beyond the jamb flashings onto the exposed substrate.
2. Fold the WRB back in place over the Butyl Flash head flashing and secure with staples or tape.
3. Secure with another strip of Butyl Flash long enough to cover the 45° cuts in the WRB.

### STEP 4 - Final Step

1. Roll entire surface of Butyl Flash with a hand roller to finalize and complete the bond.
2. Complete Installation Instructions may be downloaded from [www.poly-wall.com](http://www.poly-wall.com)