



WindowSeal®

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 for the full array of products.

DESCRIPTION

Poly Wall® WindowSeal® Window Flashing Tape is a self-adhering, self-sealing, waterproof rubberized asphalt tape, laminated to polyethylene film. The finished product is supplied in rolls, with an easy to remove film release liner. WindowSeal® is available in 20 mil thickness and a variety of roll sizes.

USES

WindowSeal Flashing Tape is used to strip in or flash straight window frames, and other construction seams. If material is to be applied to round-top or custom shaped areas, ArcFlash™ should be used. WindowSeal is designed to be used in ambient temperatures and surface temperatures between 40° F (5° C) and 120° F (49° C). Using Poly Wall's Polybond Liquid Adhesive can lower the WindowSeal application temperature to 25° F (-4° C).

ADVANTAGES

- Simple application: On and off the job site quickly.
- Self seals: Creates a smooth watertight surface around nails, staples, and fasteners.
- Waterproofs: Inhibiting mold and mildew in sub-surfaces.
- Superior adhesion: Enhancing speed on the job. Improves productivity in a variety of conditions.
- Exceptional elasticity: Resists cracking or tearing if structural movement occurs.

INSTALLATION

The **sequence** of installation is:

1. Install horizontal strip on sill.
2. Set window frame.
3. Adhere vertical strips to jamb flanges and sheathing.
4. Adhere horizontal strip to straight head flange and sheathing. If top is rounded, use ArcFlash™.
5. Roll all tape surfaces with a hand roller.

WHY USE POLY WALL® WINDOWSEAL®?

- 60 years of successful waterproofing experience.
- American Architectural Manufacturers Association (AAMA) 711 verified.
- 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.

STORAGE

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

WARNINGS

- Warning: The use of this product in conjunction with other building materials that contain free or readily released solvents, oils, or plasticizers may result in the contamination or deterioration of either or both of the products. Please consult PolyWall prior to using building materials not specifically designed for use with this product. The use of building materials not recommended for use with this product will void any and all warranties associate with this product and/or the PolyWall Building Solutions system.



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Construction Waterproofing Tapes

LIMITATIONS: WindowSeal® can be applied to vinyl windows which have rigid fins. However, WindowSeal® should not be applied to flexible PVC 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. Use of a heat gun or liquid adhesive can also improve adhesion at lower temperatures. This material may also be mechanically fastened using nails, screws, or staples if conditions make adhesion difficult. Poly Wall's WindowSeal® may be left exposed to UV sunlight 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.

WindowSeal® (20 mil)

ROLL SIZES	ROLLS/BX	LIN FT PER BOX	LBS/BOX	BOXES/PALLET
4" X 100'	12	1200	60	36
6" X 100'	8	800	56	36
9" X 100'	4	400	44	45
12" X 100'	4	400	48	36
18" X 100'	3	300	45	42

PROPERTY	WindowSeal®	ArcFlash™
Thickness (mils) (+-.05)	20	70
Water Vapor Transmission ASTM E 96 (Method B)	Permeance (US Perms) < 0.02	Permeance (US Perms) < 0.02
Peel Adhesion ASTM D 1000 (To Primed Steel)	> 15 lbs./in.width	> 10.0 lbs./in.width
Elongation-Ultimate Failure or Rubberized Asphalt ASTM D 412 (Modified Die C)	> 500%	> 500%
Softening Point ASTM D 36	200-230°F	200-230°F
Low Temperature Pliability ASTM D 146 (Modified)	No cracking at -25°F	No cracking at -25°F

WindowSeal® Properties

TEST	RESULT	MINIMUM REQUIREMENT	PASS / FAIL
Tensile Strength	368 psi	143 psi	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	2.7 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

INSTALLATION GUIDE FOR WEATHER RESISTANT BARRIER (WRB)

The installation guide 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. Poly Wall recommends using a hand roller on all tape surfaces.

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 WindowSeal® to the width of the rough opening greater than 9-inches. Center the tape across the sill, remove the release liner and install WindowSeal® on the sill.
5. Cut the WindowSeal® at the corners of the rough opening so the flashing may be folded onto the WRB surface.
6. Cut flashing patches of WindowSeal® and Install at each of the sill corners.
7. Set window into the rough opening, plumb, level, and square per manufacturer's instructions.

STEP 2 - Jamb Flashing



1. Measure and cut 2 sections of WindowSeal® that will overlap the sill tape at the bottom and extend 3-inches above the rough opening at the header, extending onto the exposed substrate
2. Install vertical sections of WindowSeal® over the jamb flanges and to the substrate or WRB.
3. Roll with J roller.
4. DO NOT INSTALL WindowSeal® 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 WindowSeal® that will overlap and extend 2-inches beyond the jamb flashings onto the exposed substrate.
2. Fold the WRB back in place over the WindowSeal® head flashing and secure with staples or tape.
3. Secure with another strip of WindowSeal® long enough to cover the 45 degree cuts in the WRB.

STEP 3A - Arched Window

1. ArcFlash™ is a 70-mil, self-adhering, self-sealing tape made with rubberized asphalt waterproofing coating, laminated to a crimped and stretchable high-strength film backing.

2. For a product information sheet on ArcFlash™, scan the QR code with your smartphone or tablet.



STEP 4 - Final Step

1. Roll entire surface of WindowSeal® with a hand roller to finalize and complete the bond.