

# WINDOWSEAL™

## CONSTRUCTION WATERPROOFING TAPES

### DESCRIPTION:

**WindowSeal™** is a 25 mil self-adhering, self-sealing tape made with rubberized asphalt waterproofing coating, laminated to polyethylene film. The coating is supplied in rolls, with an easy to remove film release liner.

**WindowSeal™40** is a 40 mil self-adhering, self-sealing tape consisting of rubberized asphalt waterproofing coating, laminated to a high strength polyethylene film backing, and an easy to remove film release liner.

**WindowSeal™ 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.

### USES

**WindowSeal™** products are used to strip in or flash straight window frames, door frames, and other construction seams. If material is to be applied to round-top or custom shaped areas, **ArcFlash™** should be installed.

### ADVANTAGES:

- Self seals around nails, staples, and fasteners
- Waterproofs surfaces underneath
- Adheres to most clean and dry surfaces instantly
- If the building moves slightly, this elastomeric material will stretch and not tear
- Easy and mess free.
- The **ArcFlash™** tape can be installed on most curved or fan-shaped areas.

### 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.

**ABOVE SEQUENCE IS IMPORTANT BECAUSE ALL EDGES MUST BE SHINGLE LAPPED TO PREVENT ENTRY OF WATER.**

### INSTALLATION PROCEDURE:

1. Make sure the surface is clean, dust free, smooth, and dry. (*Note: Do not apply over silicone caulk or other solvent based products*).
2. Test adhesion of tape to sheathing. Some sheathing boards contain components which reduce tape adhesion. If adhesion is inadequate, prime with **Polyguard Polybond™ Liquid Adhesive**. If Polyguard adhesive is not available, 3M Company #77 Spray Adhesive may be used.
3. Cut the length you want to use from the roll with utility knife or scissors.
4. Remove 12" or more of the release film and center the tape over the area to be sealed.
5. Firmly press or roll the tape to the area being sealed. As you go along, pull more of the release film from the tape, exposing the adhesive surface, pressing down the tape and keeping the tape smooth. When through with the strip, roll it into place.

PHYSICAL PROPERTIES	<b>WindowSeal™</b>	<b>WindowSeal™40</b>	<b>WindowSeal™ ArcFlash™</b>
Thickness (mils) (+-.05)	25	40	70
Water Vapor Transmission <i>ASTM E 96 (Method B)</i>	Permeance (U.S. Perms) <.02	Permeance (U.S. Perms) <.014	Permeance (U.S. Perms) <.02
Peel Adhesion <i>ASTM D 1000 (To Primed Steel)</i>	>5.0 lbs./in. width	>10.0 lbs./in. width	>10.0 lbs./in. width
Elongation-Ultimate Failure of Rubberized Asphalt <i>ASTM D 412 (Modified Die C)</i>	>500%	>500%	>500%
Low Temperature Pliability <i>ASTM D 146 (Modified)</i>	No cracking at -25°F.	No cracking at -25°F.	No cracking at -25°F.



This Information is based on our best knowledge, but POLYGUARD cannot guarantee the results to be obtained.

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Certified ISO 9001 : 2000 by



Polyguard Products has been certified to these quality systems requirements:  
 - American Natl. Standards Institute  
 - Dutch Council for Certification  
 - Deutscher Akkreditierungs Rat

## STORAGE:

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

## LIMITATIONS:

Do not apply this material to flexible vinyl surfaces. Plasticizers used in flexible vinyls are often incompatible with rubberized asphalt adhesives. Rigid PVC, such as fins used in vinyl windows, is compatible.

Some sheathing boards contain components which reduce adhesion of tapes. In these cases, apply **Polyguard Polybond™ Liquid Adhesive** or 3M #77 Spray Adhesive first to guarantee adhesion.

At cold temperatures, 45°F or lower, this material will lose a portion of its adhesiveness. Test for adhesion at the start of the job to see if there is sufficient adhesion. If not, follow instructions under storage, and wait until warmer temperatures. Use of a heat gun or liquid adhesive, can also improve adhesion at lower temperatures.

This material is **NOT** compatible with solvent based or silicone caulks, or EPDM materials.

This material may also be mechanically fastened using nails, screws, or staples if conditions make adhesion difficult.

Do not expose material to sunlight for over 60 days.

Do not use on roof surfaces, or anywhere that this material might be walked on. The material has a slippery surface.

## PRECAUTIONS:

If liquid adhesives are used, read their directions for any limitations. Solvent based liquid adhesive, such as **Polyguard Polybond™ Liquid Adhesive** should be handled carefully, as they can be harmful or fatal if swallowed. Some liquid adhesives are marked as red label, which means there is a danger from flames, sparks, welding and smoking during application.

**Keep out of reach of children.**

This material is offered for sale by **POLYGUARD PRODUCTS, INC.** only for the expressed purposes as described in this literature.

## WARRANTY:

POLYGUARD PRODUCTS will replace F.O.B. Ennis, TX, any material with manufacturing defects which cause leaks for a period of five years from date of purchase. POLYGUARD PRODUCTS will not be liable for any other claims or damages, whether direct or indirect, including consequential damages or incidental damages.

## MATERIAL SAFETY DATA:

All Material Safety Data Sheets and precautionary labels should be read and understood by all user supervisory personnel and employees before using. Consult **POLYGUARD PRODUCTS, INC.** Material Safety Data Sheets and OSHA regulations for additional safety and health information for the products described herein. Purchaser is responsible for complying with all applicable federal, state or local laws and regulations covering use of the product including waste disposal.

This is not a Material Safety Data Sheet and is not to be used as such. **POLYGUARD** has prepared separate Material Safety Data Sheets on each product.

PACKAGING														
<i>WindowSeal™</i>					<i>WindowSeal™40</i>					<i>WindowSeal™ ArcFlash™</i>				
ROLL SIZES	ROLLS / BOX	LIN FT PER BOX	LBS / BOX	BOXES / PALLET	ROLL SIZES	ROLLS/ BOX	LIN FT PER BOX	LBS / BOX	BOXES / PALLET	ROLL SIZES	ROLLS/ BOX	LIN FT PER BOX	LBS / BOX	BOXES / PALLET
4" X 100'	9	900	50	36	4" x 75'	9	675	60	36	6" x 75'	6	150	50	36
6" X 100'	6	600	50	36	6" x 75'	6	450	60	36					
9" X 100'	4	400	50	36	9" x 75'	4	300	60	36					
12" X 100'	3	300	50	36	12" x 75'	3	225	60	36					
18" x 100'	2	200	50	36	18" x 75'	2	150	60	36					

## MAINTENANCE:

Installed materials should be checked before final siding application for disbondment of edges. Repair as necessary using procedures shown in this specification.

## TECHNICAL SERVICE:

Available through a nationwide network of distributors and representatives, or contact **POLYGUARD**.