WindowSeal®

CONSTRUCTION WATERPROOFING TAPES

DESCRIPTION

WindowSeal® is a 20 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. 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.

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.
PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>WindowSeal® 20</th>
<th>WindowSeal® 40</th>
<th>WindowSeal® ArcFlash™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness (mils) (+/- .05)</td>
<td>20</td>
<td>40</td>
<td>70</td>
</tr>
<tr>
<td>Water Vapor Transmission ASTM E 96 (Method B) Permeance (U.S. Perms)</td>
<td>&lt;.02</td>
<td>&lt;.014</td>
<td>&lt;.02</td>
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<tr>
<td>Peel Adhesion ASTM D 1000 (To Primed Steel) &gt;5.0 lbs./in. width</td>
<td>&gt;10.0 lbs./in. width</td>
<td>&gt;10.0 lbs./in. width</td>
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<tr>
<td>Elongation-Ultimate Failure of Rubberized Asphalt ASTM D 412 (Modified Die C) &gt;500%</td>
<td>&gt;500%</td>
<td>&gt;500%</td>
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<tr>
<td>Softening Point ASTM D 36</td>
<td>200-230°F</td>
<td>200-230°F</td>
<td>200-230°F</td>
</tr>
<tr>
<td>Low Temperature Pliability ASTM D 146 (Modified) No cracking at -25°F.</td>
<td>No cracking at -25°F.</td>
<td>No cracking at -25°F.</td>
<td></td>
</tr>
</tbody>
</table>

LIMITATIONS

Do not apply this material to flexible vinyl surfaces. Plastizers 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 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 120 days.

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

Shell life of WindowSeal products is one year from date of manufacture.

PRECAUTIONS

The information in this data sheet is designed to be helpful to the reader. It is based on experience and information considered to be accurate and true. Readers should carefully consider and verify the information with investigation of any areas with uncertainty. Polyguard does not warrant the results to be obtained. Additionally, please read everything here in conjunction with Polyguard’s conditions of sale, which are applicable to everything supplied by us. No statement here is intended for any use which would infringe any patent or copyright.

SAFETY

All Polyguard products must be handled in a safe manner. Some products (some mastics or primers) contain solvents, and these deserve special attention to safety since their vapors are both flammable and harmful if inhaled. Also certain 2 component products contain especially hazardous components. Read both the product label and the Material Safety Data Sheet (MSDS) before use. MSDS sheets can be obtained at our website www.polyguardproducts.com. Call Polyguard at 214-515-5000 if you have any questions.

Purchaser is responsible for complying with all applicable federal, state, or local laws and regulations covering use of the product including waste disposal.

WARRANTY

Polyguard Products will replace F.O.B. Ennis, TX, any material with manufacturing defects which cause leaks for a period of ten 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. Made in the U.S.A.

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.

PACKAGING

<table>
<thead>
<tr>
<th>ROLL SIZES</th>
<th>ROLLS / BOX</th>
<th>LIN FT PER BOX</th>
<th>LBS / BOX</th>
<th>BOXES / PALLET</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” X 100’</td>
<td>9</td>
<td>900</td>
<td>50</td>
<td>36</td>
</tr>
<tr>
<td>6” X 100’</td>
<td>6</td>
<td>600</td>
<td>50</td>
<td>36</td>
</tr>
<tr>
<td>9” X 100’</td>
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<td>36</td>
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<td>12” X 100’</td>
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<td>300</td>
<td>50</td>
<td>36</td>
</tr>
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<td>18” X 100’</td>
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<td>200</td>
<td>50</td>
<td>36</td>
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