

# WeatherBond PVC

## Reinforced Coverstrip



### Overview

WeatherBond's PVC Reinforced Coverstrip is an 8" (20.3 cm)-wide, nominal 60-mil (1.52 mm), or 80-mil (2.03 mm)-thick PVC flashing that contains a polyester reinforcing fabric. Available in white, gray, and tan, PVC Reinforced Coverstrip is used for stripping in rows of fasteners and plates, covering the butt joints of PVC and Fleece PVC membranes, and stripping in PVC Coated Metal roof edging. This product's smooth surface allows a total surface fusion weld over a wide temperature range, facilitating a consistent, watertight roof system.

Note: PVC Reinforced Coverstrip cannot be used to flash corners, pipes, t-joints, any angled metal flanges such as gravel stops, or other canted metal edgings.

WeatherBond PVC Reinforced Coverstrip is part of the Certified Fabrication Accessory (CFA) program. CFAs are the only factory-fabricated PVC accessories that meet the stringent quality tolerances required.

### Features and Benefits

- Excellent chemical resistance
- Wide window of weldability
- Low-temperature flexibility
- Impact and puncture resistance
- Easy installation
- Outstanding solar, UV, ozone, and oxidation resistance
- Available in white, gray, and tan



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### Installation

1. Ensure the existing PVC membrane or Coated Metal surface is clean prior to welding the Reinforced Coverstrip in place. If dirt is present, use WeatherBond's PVC and KEE HP Membrane Cleaner to properly prepare the surface.
2. Weld Reinforced Coverstrip in place using an auto-welder or hand-welder.
3. Use the edge of a hand-held silicone roller to press the flashing into any membrane step-off for a proper seal.

**Stripping in fasteners and plates:** Cut PVC Reinforced Coverstrip to the proper length and install atop the row of fasteners and plates, maintaining a 1½" (3.8 cm) width of Coverstrip on both sides of the row. Tack weld to hold in place; then, using a handheld hot air welder or an automatic hot air welding machine, properly weld all edges of the Coverstrip to ensure a watertight seal. Maintain a 1½" (3.8 cm)-wide weld on all edges.

REVIEW CURRENT WEATHERBOND INSTALLATION INSTRUCTIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.

### Precautions

1. Sunglasses that filter out ultraviolet light are strongly recommended, as the membrane's white surface is highly reflective to sunlight. Roofing technicians should dress appropriately and wear sunscreen.
2. Smooth surfaces may be slippery due to frost and ice buildup. Exercise caution during cold conditions to prevent falls.
3. Care must be exercised when working close to a roof edge, particularly when the surrounding area is snow-covered, as the roof edge may not be clearly visible.
4. Use proper stacking procedures to ensure sufficient stability of the materials.
5. Exercise caution when walking on wet membrane. Membranes may be slippery when wet.
6. Store PVC Reinforced Coverstrip in its original container.

### Supplemental Approvals, Statements and Characteristics

1. WeatherBond PVC meets or exceeds the requirements of ASTM D4434 Standard Specification for Poly Vinyl Chloride Sheet Roofing. WeatherBond PVC is classified as Type III and/or Type IV as defined by ASTM D4434.
2. WeatherBond reinforced PVC was tested for dynamic puncture resistance per ASTM D5635-04 using the most recently modified impact head. 50-mil thick membrane was watertight after an impact energy of 22.5J (16.6 ft-lbf), which passes the ASTM D4434 requirement.
3. WeatherBond reinforced PVC was tested for static puncture resistance per ASTM D5602-98 and exceeded 33 lbf (145 N), which passes the ASTM D4434 requirement.

## Radiative Properties for Cool Roof Rating Council (CRRC) & LEED®

| Physical Property                          | Test Method            | Gray PVC | Tan PVC | White PVC |
|--|------------------------|----------|---------|-----------|
| CRRC – Initial Solar Reflectance           | ASTM C1549             | 0.59     | 0.72    | 0.86      |
| CRRC – Solar Reflectance after 3 years     | ASTM C1549 (uncleaned) | 0.49*    | 0.60*   | 0.63      |
| CRRC – Initial Thermal Emittance           | ASTM C1371             | 0.89     | 0.87    | 0.89      |
| CRRC – Thermal Emittance after 3 years     | ASTM C1371 (uncleaned) | 0.86*    | 0.86*   | 0.87      |
| Solar Reflective Index (SRI)               | ASTM E1980             | 69       | 89      | 111       |
| Solar Reflective Index (SRI) after 3 years | ASTM E1980             | 56*      | 71*     | 75        |

\* Rapid Ratings

## LEED® Information

|                                |                               |
|--------------------------------|-------------------------------|
| Pre-consumer Recycled Content  | 10%                           |
| Post-consumer Recycled Content | 0%                            |
| Manufacturing Location         | Greenville, IL                |
| Solar Reflectance Index        | White: 111, Tan: 89, Gray: 69 |

## Typical Properties and Characteristics

| Physical Property   | ASTM D4434 Requirement | 60-mil                              | 80-mil                              |
|---|------------------------|-------------------------------------|-------------------------------------|
| Thickness over scrim, in. (mm)<br>ASTM D4434 optical method,<br>average of 3 areas  | 0.016 min<br>(0.40)    | 0.027<br>(0.686)                    | 0.037<br>(0.940)                    |
| Weight, lbs/ft <sup>2</sup> (kg/m <sup>2</sup> )  | No requirement         | 0.40<br>(1.95)                      | 0.55<br>(2.68)                      |
| Breaking strength (MD x CD),<br>lbf/in (kN/m)ASTM D751 grab method  | 275 min<br>(48)        | 330 x 300<br>(58x 55)               | 360 x 330<br>(63 x 58)              |
| Elongation break of reinforcement<br>(MD x CD), % ASTM D751 grab method   | 25 min                 | 30 x 30                             | 30 x 30                             |
| Tearing strength (MD x CD), lbf (N)<br>ASTM D751 proc. B, 8 in. x 8 in.   | 90 min (400)           | 100 x 130<br>(445 x 578)            | 100 x 132<br>(445 x 587)            |
| Low temperature bend, no cracks 5x<br>ASTM D2136  | PASS                   | PASS<br>(-40°C)                     | PASS<br>(-40°C)                     |
| Linear dimensional change, %<br>ASTM D1204, 6 hours at 176°F  | ± 0.5 max              | 0.4                                 | 0.4                                 |
| Ozone resistance, no cracks 7X<br>ASTM D1149, 100 pphm, 168 hrs   | PASS                   | PASS                                | PASS                                |
| Water absorption resistance, mass %<br>ASTM D570 166 hours at 158°F water   | ± 3.0 max              | 2.0                                 | 2.0                                 |
| Field seam strength, lbf /in. (kN/m)<br>ASTM D1876 tested in peel   | No requirement         | 25 (4.4)<br>min<br>60 (10.5)<br>typ | 25 (4.4)<br>min<br>60 (10.5)<br>typ |
| Water vapor permeance, Perms<br>ASTM E96 proc. B  | No requirement         | 0.10 max<br>0.05 typ                | 0.10 max<br>0.05 typ                |
| Puncture resistance - Federal,<br>lbf (kN) FTM 101C, method 2031  | No requirement         | 320                                 | 380                                 |
| Puncture resistance -<br>Dynamic, J (ft-lbf) ASTM D5635   | 20 (14.7)              | PASS                                | PASS                                |
| Puncture resistance -<br>Static, lbf (N) ASTM D5602   | 33 (145)               | PASS                                | PASS                                |
| Xenon-Arc resistance, no cracks/crazing<br>10x ASTM G155 0.35 W/m <sup>2</sup> at 340nm,<br>63°C B.P.T. 12,600 kJ/m <sup>2</sup> total radiant<br>exposure 10,000 hours | PASS                   | PASS                                | PASS                                |
| Properties after heat aging<br>ASTM D3045, 56 days at 176°F<br>Breaking strength, % retained<br>Elongation reinf., % retained   | 90 min<br>90 min       | 90 min<br>90 min                    | 90 min<br>90 min                    |

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.



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