

WeatherBond PVC

Reinforced Coverstrip



Overview

WeatherBond PVC Reinforced Coverstrip is an 8" (20.3 cm)-wide, nominal 50-mil (1.27 mm), 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 and covering the butt joints of WeatherBond PVC membrane. 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 for inclusion in a WeatherBond warranted roofing system.

Features and Benefits

- Provides 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

Installation

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 reinforced 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.



WEATHERBOND
ROOFING SYSTEMS

Single-Ply Simplified

Radiative Properties for ENERGY STAR[®]*, Cool Roof Rating Council (CRRC) & LEED[®]

Physical Property	Test Method	Gray PVC	Tan PVC	White PVC
ENERGY STAR – E-903 Initial Solar Reflectance	Solar Spectrum Reflectometer	0.59	0.72	0.86
ENERGY STAR – E-903 Solar Reflectance after 3 years	Solar Spectrum Reflectometer (Uncleaned)	pending	pending	0.63
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	50-mil	60-mil	80-mil
Thickness over scrim, in. (mm) ASTM D4434 optical method, average of 3 areas	0.016 min (0.40)	0.022 (0.559)	0.027 (0.686)	0.037 (0.940)
Weight, lbs/ft ² (kg/m ²)	No requirement	0.33 (1.61)	0.40 (1.95)	0.55 (2.68)
Breaking strength (MD x CD), lbf/in (kN/m)ASTM D751 grab method	275 min (48)	320 x 300 (56 x 53)	330 x 300 (58x 55)	360 x 330 (63 x 58)
Elongation break of reinforcement (MD x CD), % ASTM D751 grab method	25 min	30 x 30	30 x 30	30 x 30
Tearing strength (MD x CD), lbf (N) ASTM D751 proc. B, 8 in. x 8 in.	90 min (400)	100 x 120 (445 x 534)	100 x 130 (445 x 578)	100 x 132 (445 x 587)
Low temperature bend, no cracks 5x ASTM D2136	PASS	PASS (-40°C)	PASS (-40°C)	PASS (-40°C)
Linear dimensional change, % ASTM D1204, 6 hours at 176°F	± 0.5 max	0.4	0.4	0.4
Ozone resistance, no cracks 7X ASTM D1149, 100 pphm, 168 hrs	PASS	PASS	PASS	PASS
Water absorption resistance, mass % ASTM D570 166 hours at 158°F water	± 3.0 max	2.0	2.0	2.0
Field seam strength, lbf /in. (kN/m) ASTM D1876 tested in peel	No requirement	25 (4.4) min 60 (10.5) typ	25 (4.4) min 60 (10.5) typ	25 (4.4) min 60 (10.5) typ
Water vapor permeance, Perms ASTM E96 proc. B	No requirement	0.10 max 0.05 typ	0.10 max 0.05 typ	0.10 max 0.05 typ
Puncture resistance - Federal, lbf (kN) FTM 101C, method 2031	No requirement	280	320	380
Puncture resistance - Dynamic, J (ft-lbf) ASTM D5635	20 (14.7)	PASS	PASS	PASS
Puncture resistance - Static, lbf (N) ASTM D5602	33 (145)	PASS	PASS	PASS
Xenon-Arc resistance, no cracks/crazing 10x ASTM G155 0.35 W/m ² at 340nm, 63°C B.P.T. 12,600 kJ/m ² total radiant exposure 10,000 hours	PASS	PASS	PASS	PASS
Properties after heat aging ASTM D3045, 56 days at 176°F	90 min 90 min	90 min 90 min	90 min 90 min	90 min 90 min
Breaking strength, % retained				
Elongation reinf., % retained				

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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LEED is a registered trademark of the U.S. Green Building Council. *ENERGY STAR approval is only valid in the U.S.