WEATHER TECH WRBs

WeatherSeal Spray & Roll-On

Waterproof Membrane & Air Barrier

DESCRIPTION:

- 100% Acrylic elastomeric waterproof membrane and air barrier which can be either rolled, brushed, or spray applied.
- Extremely flexible: can bridge cracks and accommodate small movements up to 1/32 in. (0.8mm).
- Designed for use as water-resistive barrier behind exterior claddings
- Bridges 1/4 in. (6mm) gaps at sheathing board joints with Parex USA 396 Sheathing Tape embedded.
- Color: Light Blue

USES:

- Water-resistive barrier coating for application to glass mat gypsum sheathing, exterior-grade gypsum sheathing, CDX plywood, OSB, concrete, CMU, brick and cement board sheathing (Consult "Acceptable Substrate and Area of Use" Technical bulletin for more details.)
- Contact the Parex USA Technical Services Department for further options.

COMPOSITION:

- Binder base: 100% acrylic elastomeric polymer with surface-hardening property.
- Water based VOC compliant
- Solids:
  - By weight: 68%
  - By volume: 54%
- Appearance: Flat non-gloss smooth finish.

EVALUATION REPORT & TESTING:

- ABAA Evaluated - ASTM 2357 Compliant
- ASHRAE 90.1 Compliant
- ASHRAE 189.1 Compliant
- ICC Code Recognition
- ESR 2045 Compliant

COVERAGE:
Depending on the condition of the substrate and method of application, see approximate coverage in the table below.

CONTAINER:
55 lb (25.0 kg) net weight in plastic pails
- Storage: Protect from sun and freezing at all times.
- Do not stack pails more than 3 pails high.
- Shelf Life: Reference Parex USA Expiration Date of Products Technical Bulletin.

DRYING TIME:
Typically 1– 4 hours depending upon temperature, humidity and substrate.

CLEAN-UP:
Water soluble prior to drying. Clean tools and containers with water prior to drying.

SURFACE PREPARATION:
- Remove surface contaminants such as dust or dirt without damaging the substrate.
- Painted substrates must have the paint removed by methods which result in no more than 10 percent of the remaining surface having paint.
- For additional options for surface preparation, contact Parex USA Technical Support.

MIXING:
- Use clean equipment for mixing and preparation.
- Stir WeatherSeal Spray & Roll-On to a uniform consistency. Avoid creating air bubbles or foam.
- For some spray applications it may be necessary to thin WeatherSeal Spray & Roll-On slightly. Use only clean potable water and add sparingly, never more than 16 oz (0.5L) per pail, because thinning can reduce film thickness.
- No additives of any kind, such as rapid binders, anti-freeze, accelerators, fillers, pigments, etc. should be added under any circumstances.

APPLICATION:
- Read the entire label before using this product.
- Install the substrate according to manufacturer's recommendation and according to the Suitable Substrate and Area of Use Technical Bulletin.
- WeatherSeal Spray & Roll-On is easily applied with roller, brush or suitable spray equipment. For sprayed applications, See Parex USA Technical Bulletin for Spraying WeatherSeal Spray & Roll-On.
- For spray applications, strain the material using a paint strainer.

ROLLER APPLICATION:
- Use 3/4 in. to 1 1/4 in. (19-32mm) nap roller designed for applying latex paints.
- Apply WeatherSeal Spray & Roll-On approximately 6 in. (150mm) wide centered over:
  - Sheathing joints
  - Gaps in sheathing up to 1/4 in. (6mm) wide
  - Open holes up to 1 in. (25mm) across
  - Back flanges of flashings and track
  - Immediately place the Parex USA 396 Sheathing Joint Tape centered in the wet WeatherSeal Spray & Roll-On. Run a trowel or taping knife over the sheathing joint tape to embed it and into the wet WeatherSeal Spray & Roll-On up into it. Do not let WeatherSeal Spray & Roll-On skin over before applying and embedding Parex USA 396 Sheathing Joint Tape. Work in small enough areas to ensure that WeatherSeal Spray & Roll-On is wet when Parex USA 396 Sheathing Joint Tape is embedded in it. If WeatherSeal Spray & Roll-On does skin over before embedding Parex USA 396 Sheathing Joint Tape, scrape off semi-liquid WeatherSeal Spray & Roll-On or let it dry and re-apply. Correct larger gaps and holes by replacing sheathing.

Sheathing	Number of minimum Coats on Average required for full coverage	Average Coverage Per Coat	Average Coverage Per Pail	Application Notes
Embedding 4" Wide Parex USA Sheathing Joint Tape			500 lineal feet	
Fiberglass Faced & Exterior Grade Gypsum Sheathing	1 coat	350-400 ft^2	350-400 ft^2	Thicker applications can cause running an dripping of the product.
Plywood PS-1 C/D or PS-2 C/D	2 coats	500 ft^2	250-300 ft^2	Normal irregularities in the profile, will produce variation in dry film thickness.
Plywood PS-1 C plugged (or better)	1 coat	350-400 ft^2	350-400 ft^2	Thicker applications can cause running and dripping of the product.
Oriented Strand Board (OSB)	2 coats	500 ft^2	250-300 ft^2	The edges of the exposed wood strands can sometimes swell from the application of the Weatherseal causing breaks in the coating, which must be touched up before application of the cladding.
Fiber-Mat Reinforced Cementitious Backer Units	2 coats	500 ft^2	250-300 ft^2	
Cast or Precast concrete	1 coat	350-400 ft^2	350-400 ft^2	If voids exist, they must be filled or leveled with Stucco Level Coat before application of the WeatherSeal Spray & Roll-On.
Concrete Masonry Units	2 coats 1 Coat after skimming with Stucco Level Coat	350-400 ft^2 350-400 ft^2	175-200 ft^2 350-400 ft^2	If voids still exist after 2 coats – additional coats may be necessary, coverage is dependant upon porosity. Weatherseal Trowel-on may be applied in a single coat over CMU if leveled out with Stucco Level Coat before application of Weatherseal Spray & Roll-On.

WeatherSeal Spray & Roll-On Testing	Method	ICC and ASTM E2570 Criteria	Results
Accelerated Weathering	AC 212	25 Cycles followed by Hydrostatic Pressure Test: No water penetration on the plane of the exterior facing side of the substrate.	Pass: No water penetration
Air Infiltration	ASTM E2178	Calculated flow Rate at 75 Pa (1.57 lb/ft^2, 0.3 in H2O) = < 0.02 L/m^2*s (< 0.004 cfm/ft^2)	< .00001 L/m^2*s (0.00001 cfm/ft^2) at 75 Pa (1.57 lb/ft^2, 0.3 in H2O)
Air Leakage of Air Barrier Assemblies	ASTM E2357	ASTM E2357	Pass: < 0.2 L/s·m^2 at 75 Pa) (< 0.04 cfm / ft^2 at 1.57 psf)
Air Leakage	ASTM E283	No Criteria	< 0.004 cfm/ft^2
Elongation	ASTM D412	No Criteria	360%
Tensile Bond	ASTM D4541	>15 psi	28 psi
Freeze-Thaw Resistance	ASTM E 2485	10 Cycles	Pass: No Deleterious Effects
Hydrostatic Pressure Test	AATCC 127 (Water Column)	Resist 21.6 in (55 cm) water for 5 hours before and after aging	Pass: No water penetration
Nail Seal ability, Head of Water	ASTM D1970	No Criteria	Pass: 5 inches of water
Evaluation of Fire Propagation	NFPA 285	In Accordance with IBC Chapter 26	Meets requirements for use on all types of construction
Radiant heat exposure	NFPA 268	In Accordance with IBC Chapter 26	No ignition upon 20 minute radiant heat exposure at 1.25 w/cm2.
Racking	ASTM E72	Deflection at ⅛ in (3.2mm)	Pass: No cracking at field, joints or flashing connection
Restrained Environmental	ICC ES AC 212 / ASTM E2570	5 Cycles of wetting and drying	Pass: No cracking at field, joints or flashing connection
Structural Loading	ASTM E1233 Procedure A	10 Cycles @ 80% design load	Pass: No cracking at field, joints or flashing connection
Surface Burning Characteristics	ASTM E84	Flame Spread <25 Smoke Developed <450	Flame Spread =0 Smoke Developed =0
Tensile Bond Strength	ASTM E 2134/ ASTM C 297	Minimum 15 psi (104 kPa)	Pass all listed substrates and flashing materials
Water Resistance	ASTM D 2247	14 Days	Pass: No Deleterious Effects.
Water Penetration	ASTM E331	2.86 psf (137 Pa) for 15 minutes	Pass: 25.4 psf (1216 Pa) for 165 minutes
Water Penetration	ASTM E331	Tested after Structural Loading, Racking and Restrained Environmental Cycling at 2.86 psf (137 Pa) for 15 minutes	Pass: No Water Penetration
Water vapor transmission	ASTM E96 Procedure B	Vapor Permeable	12.0 perms
Weathering	ICC ES AC 212 / ASTM E2570	210 hours of UV Exposure, 25 cycles of accelerated weathering, 21.6 in (549mm) water column for 5 hours	Pass
Wind Driven Rain	F.S. TT-C-555B	No Criteria	Pass
VOC	EPA Reference Test Method 24	US EPA, South Coast AQMD and Greenseal Standard	10 g/L (Meets SCAQMD Rule 1113)
Regional Harvest		LEED MRc 5.1	100% at all facilities

- After Sheathing Joint tape is completely embedded, apply WeatherSeal Spray & Roll-On over the entire outer sheathing surface, at a rate of not more than 100 ft^2 per gal. (2.4 m^2. per L), approximately 10–12 wet mils. Normal irregularities in the profile, will occure in OSB, plywood, cement board and CMU, therefore a variation in dry film thickness is normal. The transparency of the dry WeatherSeal Spray & Roll-On is not an indication of the thickness.
- For specific installation details refer to Parex USA Water Resistive Barriers Details at http://www.parex.com/details/PUSAWRBD.pdf.

LIMITATIONS:

- Ambient and surface temperatures must be 40°F (4°C) or higher during application and drying time. Provide supplemental heat and protection from precipitation as needed.
- Use only on surfaces that are sound, clean, dry, and free from any residue which may affect the ability of the WeatherSeal Spray & Roll-On to bond to the surface.
- Not for use below grade.
- Not for water immersion.
- WeatherSeal Spray & Roll-On may be left unprotected on the wall for up to 6 months. However, the surface must be clean of all dirt and contaminants before the application of EIFS adhesive. Contact Parex USA Technical Support in case of longer exposures.

WARNING:

- Read complete Warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Safety Data Sheet (SDS). The most current SDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

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