

WeatherSeal Trowel-On

Trowel Applied Waterproof/Air Barrier Membrane & Adhesive

	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 H ² O) = < 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 H ² O)
Flexibility	ASTM D522	No Criteria	No Cracking at 1/8" (3mm)
Freeze-Thaw Resistance	ASTM E2485	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
Mildew Resistance	ASTM D3273	No Criteria	35 Days
Nail Seal ability, Head of Water	ASTM D1970	No Criteria	Pass 5 inches of water
Racking	ASTM E72	Deflection at 1/8 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	ICC and ASTM E2568 Flame Spread <25 Smoke Developed <450	Flame Spread =0 Smoke Developed =0
Tensile Bond Strength	ASTM E2134/ ASTM C297	Minimum 15 psi (104 kPa)	Pass all listed substrates and flashing materials
Water Resistance	ASTM D2247	14 Days	Pass: No Deleterious Effects.
Water Penetration	ASTM E331	2.86 psf (137 Pa) for 15 minutes	Pass 6.24 psf (299 Pa) for 75 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	5.8 Perms (without gauging) 8.8 Perms (with gauging)
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
Air Leakage of Air Barrier Assemblies	ASTM E2357	Pass < 0.2 L / s·m ² at 75 Pa (< 0.04 cfm / ft ² at 1.57 psf)	Pass

DESCRIPTION:

- 100% Acrylic based water-resistant barrier membrane.
- Designed for use as water-resistant barrier behind exterior claddings
- Extremely flexible: can bridge existing hairline cracks and accommodate small movements.

USES:

- Water-resistant 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.
- Water based VOC compliant.
- Solids:
 - WeatherSeal Trowel On without gauging
 - By volume: 58.9%
 - By weight: 69.3%
 - WeatherSeal Trowel On with gauging
 - By volume: 66.5%
 - By weight: 78.8%

COVERAGE:

Depending on the condition of the substrate and method of application, approximate coverages per pail are:

- **Without Gauging Aggregate:**

As a water-resistive barrier (One coat):
63-68 mils wet / 37-40 mils dry
140-160 ft² (13-14.86 m²)

- **With Gauging Aggregate:**

As a water-resistive barrier (One coat):
35-40 mils wet / 23-27 mils dry
150-190 ft² (14-17.6 m²)

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:

The drying time of WeatherSeal Trowel-On depends on the air temperature, relative humidity and wind conditions.

CLEAN-UP:

Water soluble prior to drying. Clean tools and containers with water prior to drying.

SURFACE PREPARATION:

- The substrate should be flat and straight with no planar irregularities over 1/8 in. (3mm) within a 4 ft. (1.2m) span. Caution: Irregular substrates will produce inconsistent adhesion.
- Protruding surface irregularities, including lipping at sheathing board edges, shall not exceed 1/32 in. (0.8mm).
- 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.
- Do not add water. Stir WeatherSeal Trowel-On to a uniform consistency. Avoid creating air bubbles or foam.
- 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.
- Substrate surfaces shall be dry, clean, and sound, free of water repellents, form release agents, or other substances that may interfere with the bond.
- Apply either Sheathing Joint Tape or 4 oz. mesh embedded in WeatherSeal Trowel-On to all:
 - Sheathing joints.
 - Gaps in sheathing up to 1/4 in. (6mm) wide.
 - Open holes up to 1 in. (25mm) across. Correct larger gaps and holes by replacing sheathing.
 - Back flanges of track and flashing.
- Embed 4 in. strips of either Sheathing Joint tape or 4 oz. mesh by applying WeatherSeal Trowel-On per application instruction to 4 in. of each side of the joint and embed the reinforcing fabric with a stainless steel trowel so that the color of the fabric is not visible.
- WeatherSeal Trowel-On is applied by trowel. WeatherSeal Trowel-On that embeds Sheathing Joint Tape may be applied by taping knife.
- Cover the entire surface of the taped substrate with WeatherSeal Trowel-On. The transparency of the WeatherSeal Trowel-On is not an indication of the thickness.
- WeatherSeal Trowel-On with gauging aggregate is self gauging. It should be applied to the thickness of the aggregate. Drag marks indicate it is being applied too thin. Thicker application than required reduces coverage and extends setting and drying time.

LIMITATIONS:

- Use only on surfaces that are sound, clean, dry, unpainted, and free from any residue that might affect the ability of this product to bond with the surface.
- Ambient and surface temperature must be 40°F (4°C) or higher during application and drying time. Provide supplemental heat and protection from precipitation as needed.
- Not to be used for below grade application
- Not for water immersion
- Avoid application in direct sunlight in hot weather.
- WeatherSeal Trowel-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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