WeatherBlock VB AB
Air & Vapor Barrier Waterproof Membrane

DESCRIPTION
- Acrylic co-polymer fast drying vapor impermeable, elastomeric waterproof and air barrier coating which can be either rolled, brushed, or spray applied.
- Designed for use as vapor barrier behind exterior claddings.
- Extremely flexible: can bridge cracks and accommodate small movements up to 1/32 in. (0.8mm).
- Bridges 1/8 in. (3mm) gaps at sheathing board joints with WeatherTech 396 Sheathing Tape embedded.
- VOC: Low VOC
- Color: Light Green

USES
- Vapor retarder coating for application to glass mat gypsum sheathing, exterior-grade gypsum sheathing, CDX plywood, OSB, concrete, CMU, brick and cement board sheathing.
- Water resistive and air barrier
- Contact the Parex USA Technical Support for further options.

COMPOSITION
- Binder base: Acrylic co-polymer elastomeric with surface-hardening property.
- Water based VOC compliant
- Solids: By weight: 71.35%
- Appearance: Flat smooth finish
Non Parex USA approved additives

For additional options for surface preparation, contact Parex USA Technical Support.

MIXING
- Use clean equipment for mixing and preparation.
- Stir WeatherBlock VB AB to a uniform consistency. Avoid creating air bubbles or foam.
- For some spray applications it may be necessary to thin WeatherBlock VB AB slightly. Use only clean, potable water and add sparingly, never more than 16 oz (0.5L) per pail, because thinning can reduce film thickness.
- Non Parex USA approved additives of any kind, such as rapid binders, anti-freeze, accelerators, fillers, pigments, etc. should not be added under any circumstances.

APPLICATION
- Read entire label before using this product.
- Wood, concrete and masonry substrates require two coats of WeatherBlock VB AB. Exterior grade gypsum sheathing only requires two coats of Class 1 Vapor Barrier is required.
- WeatherBlock VB AB is easily applied with roller, brush or suitable spray equipment. Sprayed applications require backrolling. Contact Parex USA Technical Support for recommended spray equipment.
- Use 1 1/4 in. (32mm) or 1 3/8 in. (35mm) nap roller designed for applying latex paints.
- Apply WeatherBlock VB AB 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 WeatherTech 396 Sheathing Joint Tape centered in the wet WeatherBlock VB AB. Run a trowel or taping knife over the sheathing joint tape to embed it and into the wet WeatherBlock VB AB up into it. Do not let WeatherBlock VB AB skin over before applying and embedding WeatherTech 396 Sheathing Joint Tape. Work in small enough areas to ensure that WeatherBlock VB AB is wet when WeatherTech 396 Sheathing Joint Tape is embedded in it. If WeatherBlock VB AB does skin over before embedding WeatherTech 396 Sheathing Joint Tape, scrape off semi-liquid WeatherBlock VB AB or let it dry and re-apply.
  - Apply additional WeatherBlock VB AB to entirely cover the Sheathing Joint Tape. Correct larger gaps and holes by replacing sheathing.
  - An alternative method for joint treatment is to use WeatherTech WeatherFlash. Work WeatherFlash flush with the surface. Overlap both sides of the gap onto sheathing min 1”. See WeatherTech Data Sheet for details.
- Apply WeatherBlock VB AB over the entire outer sheathing surface, at a rate of not more than 50 ft² per gal. (1.2 m²/l), once Parex USA 396 Sheathing Joint Tape is firmly embedded. Apply 60 wet mils (approx 40 dry mils) in min two coats. Multiple coats should be allowed to dry between coats. Check the film thickness with a wet film thickness gage. The transparency of the WeatherBlock VB AB is not an indication of the thickness.
- For spray applications, strain the material using a paint strainer.

LIMITATIONS
- Ambient and surface temperatures must be 40°F (4ºC) 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 WeatherBlock VB AB to bond to the surface.
- Not for water immersion
- WeatherBlock VB AB may be left unprotected on the wall for up to 30 days. However, the surface must be clean of all dirt and contaminants before the application of CI adhesive. Contact Parex USA Technical Support in case of longer exposures.
- For mixed climate zones, vapor permeable products should be considered.
- Stucco claddings require the use of a slipsheet installed over WeatherBlock VB AB to prevent adhesion of stucco.
- Improper location of a vapor-impermeable barrier within a wall assembly can negatively affect long term performance of the building.

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.

COVERAGE
Depending on the condition of the substrate and method of application, approximate coverages per pail are:
- 100-125 ft². (9-12 m²) per pail (when 2 coats needed)
- 200-250 ft². (18-23 m²) per pail (when 1 coat needed)

CONTAINER
60 lb (27.2 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.

DRIING TIME:
Typically 45 min - 2 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% of the remaining surface having paint.
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<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
<th>ICC-ES Acceptance Criteria AC212/ASTM E2570 Requirement</th>
<th>WEATHERBLOCK VP AB*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accelerated Weathering</td>
<td>AC 212</td>
<td>25 Cycles followed by Hydrostatic Pressure Test: No water penetration on the plane of the exterior facing side of the substrate.</td>
<td>Pass: No water penetration</td>
</tr>
<tr>
<td>Air Infiltration</td>
<td>ASTM E2178</td>
<td>Calculated flow Rate at 75 Pa (1.57 lb/ft², 0.3 in H2O) = 0.02 L/m²s (&lt; 0.004 cfm/ft²)</td>
<td>&lt; 0.0001 L/m²s (0.00001 cfm/ft²) at 75 Pa (1.57 lb/ft², 0.3 in H2O)</td>
</tr>
<tr>
<td>Air Leakage of Air Barrier Assemblies</td>
<td>ASTM E2357</td>
<td>ASTM E2357</td>
<td>Pass: &lt; 0.2 L/s·m² at 75 Pa (&lt; 0.04 cfm / ft² at 1.57 psf)</td>
</tr>
<tr>
<td>Air Leakage</td>
<td>ASTM E283</td>
<td>No Criteria</td>
<td>&lt; 0.004 cfm/ft²</td>
</tr>
<tr>
<td>Elongation</td>
<td>ASTM D412</td>
<td>No Criteria</td>
<td>360%</td>
</tr>
<tr>
<td>Tensile Bond</td>
<td>ASTM D4541</td>
<td>&gt;15 psi</td>
<td>28 psi</td>
</tr>
<tr>
<td>Freeze-Thaw Resistance</td>
<td>ASTM E 2485</td>
<td>10 Cycles</td>
<td>Pass: No Deleterious Effects</td>
</tr>
<tr>
<td>Hydrostatic Pressure Test</td>
<td>AATCC 127 (Water Column)</td>
<td>Resist 21.6 in (55 cm) water for 5 hours before and after aging</td>
<td>Pass: No water penetration</td>
</tr>
<tr>
<td>Nail Seal ability, Head of Water</td>
<td>ASTM D1970</td>
<td>No Criteria</td>
<td>Pass: 5 inches of water</td>
</tr>
<tr>
<td>Evaluation of Fire Propagation</td>
<td>NFPA 285</td>
<td>In Accordance with IBC Chapter 26</td>
<td>Meets requirements for use on all types of construction</td>
</tr>
<tr>
<td>Radiant heat exposure</td>
<td>NFPA 268</td>
<td>In Accordance with IBC Chapter 26</td>
<td>No ignition upon 20 minute radiant heat exposure at 1.25 w/cm².</td>
</tr>
<tr>
<td>Racking</td>
<td>ASTM E72</td>
<td>Deflection at ⅛ in (3.2mm)</td>
<td>Pass: No cracking at field, joints or flashing connection</td>
</tr>
<tr>
<td>Restrained Environmental</td>
<td>ICC ES AC 212 / ASTM E2570</td>
<td>5 Cycles of wetting and drying</td>
<td>Pass: No cracking at field, joints or flashing connection</td>
</tr>
<tr>
<td>Structural Loading</td>
<td>ASTM E1233 Procedure A</td>
<td>10 Cycles @ 80% design load</td>
<td>Pass: No cracking at field, joints or flashing connection</td>
</tr>
<tr>
<td>Surface Burning Characteristics</td>
<td>ASTM E84</td>
<td>Flame Spread &lt;25</td>
<td>Flame Spread =0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Smoke Developed &lt;450</td>
<td>Smoke Developed =0</td>
</tr>
<tr>
<td>Tensile Bond Strength</td>
<td>ASTM E 2134/ ASTM C 297</td>
<td>Minimum 15 psi (104 kPa)</td>
<td>Pass all listed substrates and flashing materials</td>
</tr>
<tr>
<td>Water Penetration</td>
<td>ASTM E331</td>
<td>2.86 psf (137 Pa) for 15 minutes</td>
<td>Pass: 25.4 psf (1216 Pa) for 165 minutes</td>
</tr>
<tr>
<td>Water Penetration</td>
<td>ASTM E331</td>
<td>Tested after Structural Loading, Racking and Restrained Environmental Cycling at 2.86 psf (137 Pa) for 15 minutes</td>
<td>Pass: No Water Penetration</td>
</tr>
<tr>
<td>Water vapor transmission</td>
<td>ASTM E96 Procedure B</td>
<td>Class 1</td>
<td>0.09 perms</td>
</tr>
<tr>
<td>Weathering</td>
<td>ICC ES AC 212 / ASTM E2570</td>
<td>210 hours of UV Exposure, 25 cycles of accelerated weathering, 21.6 in (549mm) water column for 5 hours</td>
<td>Pass</td>
</tr>
<tr>
<td>Wind Driven Rain</td>
<td>F.S. TT-C-555B</td>
<td>No Criteria</td>
<td>Pass</td>
</tr>
<tr>
<td>VOC</td>
<td>EPA Reference Test Method 24</td>
<td>US EPA, South Coast AQMD and Greenseal Standard</td>
<td>10 g/L (Meets SCAQMD Rule 1113)</td>
</tr>
<tr>
<td>Regional Harvest</td>
<td>LEED MRc 5.1</td>
<td>100% at all facilities</td>
<td></td>
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</tbody>
</table>

*Results except water vapor permeance based on like properties of WeatherSeal VP AB*