WEATHERTECH

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
- **CAUTION:** Consult "Acceptable Substrate and Area of Use" Technical bulletin for more details.
- 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

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

DRYING 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.
- 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 WeatherfFlash 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 ft^2 per gal. (1.2 m^2/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 gauge. 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 40ºF (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.

Property	Method	ICC-ES Acceptance Criteria AC212/ASTM E2570 Requirement	WEATHERBLOCK VP AB*
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	Class 1	0.09 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

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

PAREXUSA
Parex USA, Inc., a California Corporation
4125 E. La Palma Ave., Suite 250
Anaheim, CA 92807
www.parexusa.com
866-516-0061 Tech Support: 800-226-2424