

PRODUCT DATA SHEET

PAREX® WeatherSeal VP AB LT

Low Temperature Waterproofing Membrane & Air Barrier

PRODUCT DESCRIPTION

PAREX® WeatherSeal VP AB LT is a 100% acrylic elastomeric waterproof membrane and air barrier which can be either rolled, brushed, or spray applied. highly 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 SikaWall 9000 Sheathing Tape embedded.

USES

PAREX® WeatherSeal VP AB LT is used in cold weather applications between 32°F (0°C) and 40°F (4°C) temperatures and rising.

CHARACTERISTICS / ADVANTAGES

- Can be applied between low temperatures of 20°F (-7°C) and 40°F (4°C)
- One continuous air/water-resistive barrier for buildings with multiple claddings (can be used with most code-compliant claddings).
- Will not dry out or crack due to loss of oil/plasticizer over time.
- Cleans up with water; solvents and citrus based cleaners not required.
- Rugged membrane resists damage after installation.
- Allows for flexible construction scheduling with a six month outdoor exposure rating (surface must be clean of dirt and contaminants before the application of EIFS adhesive)

PRODUCT INFORMATION

Packaging	55 lb (25.0 kg) net weight pails
Shelf Life	Two (2) years, properly stored in original containers.
Storage Conditions	<ul style="list-style-type: none"> ▪ Storage: Protect from sun and freezing at all times ▪ Do not stack pails more than 3 pails high
Volatile organic compound (VOC) content	42 grams per liter

TECHNICAL INFORMATION

Substrate	Water-resistive barrier coating for application to: <ul style="list-style-type: none"> ▪ Glass mat gypsum sheathing ▪ Exterior-grade gypsum sheathing ▪ Exposure 1 exterior plywood ▪ Exposure 1 OSB ▪ Concrete ▪ Concrete Masonry ▪ Brick ▪ Cement board sheathing 			
Tensile Strength	TEST	METHOD	ICC and ASTM E2570 Criteria	RESULTS
	Tensile Bond	ASTM D4541	>15 psi	28 psi
	Tensile Bond Strength	ASTM E 2134/ ASTM C 297	Minimum 15 psi (104 kPa)	Pass all listed substrates and flashing materials
Elongation	Elongation	ASTM D412	No Criteria	360%

Resistance to Weathering

TEST	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
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
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

Durability	Nail Seal ability, Head of Water	ASTM D1970	No Criteria	Pass: 5 inches of water
	Racking	ASTM E72	Deflection at $\frac{1}{8}$ 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
Air permeance	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)
	Air Leakage of Air Barrier Assemblies	ASTM E2357	ASTM E2357 ****IS THIS TYPO?	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
Reaction to Fire	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/cm ² .
	Surface Burning Characteristics	ASTM E84	Flame Spread <25 Smoke Developed <450	Flame Spread =0 Smoke Developed =0

APPLICATION INFORMATION

Coverage

Sheathing	Minimum Coats on Average required for full coverage	Average Coverage Per Coat/Pail	Application Notes
Embedding 4" Wide WeatherTech 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 and 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 Parex Stucco Level Coat before application of the WeatherSeal VP AB LT.
Concrete Masonry Units	2 coats	350-400 ft ² /175-200 ft ²	If voids still exist after 2 coats – additional coats may be necessary, coverage is dependant upon porosity.
Concrete Masonry Units	1 coat after skimming with Stucco Level Coat	350-400 ft ² /350-400 ft ²	If voids still exist after 2 coats – additional coats may be necessary, coverage is dependant upon porosity.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

USES

- Ambient and surface temperatures must be between 20°F (-7°C) and 40°F (4°C) 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 PAREX® WeatherSeal VP AB LT to bond to the surface.
- Not for use below grade.
- Not for water immersion.
- PAREX® WeatherSeal VP AB LT may be left unprotected on the wall for up to 6 months. Contact Sika Facades Technical Support in case of longer exposures.
- Always wear proper safety equipment, including particle mask, eye protection and gloves when mixing and/or applying this product.
- For additional technical guidance, contact Technical Services at (800) 226-2424
- **NOT FOR SALE OR USE IN CALIFORNIA OR ARIZONA DUE TO VOC REGULATIONS.**

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

SUBSTRATE 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 Sika Facades Technical Support.

MIXING

- Use clean equipment for mixing and preparation.
- Stir PAREX® WeatherSeal VP AB LT to a uniform consistency. Avoid creating air bubbles or foam.

- For some spray applications it may be necessary to thin PAREX® WeatherSeal VP AB LT 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.
- PAREX® WeatherSeal VP AB LT is easily applied with roller, brush or suitable spray equipment. For sprayed applications, See Sika Facades Technical Bulletin for Spraying PAREX® WeatherSeal VP AB LT.
- 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 PAREX® WeatherSeal VP AB LT 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
- PAREX® WeatherSeal VP AB LT. Immediately place the SikaWall 9000 sheathing fabric centered in the wet PAREX® WeatherSeal Spray & Roll-On. Use a trowel or taping knife to press the fabric firmly into the wet WeatherSeal Spray & Roll-On, fully embedding it over the sheathing joint. Work in small enough areas to ensure that PAREX® WeatherSeal VP AB LT is wet when SikaWall 9000 Sheathing joint tape is embedded in it. If PAREX® WeatherSeal VP AB LT does skin over before embedding SikaWall 9000 Sheathing Joint Tape, scrape off semi-liquid PAREX® WeatherSeal VP AB LT or let it dry and re-apply. Correct larger gaps and holes by replacing sheathing.
- An alternative method for joint treatment is to use SikaWall Maxflash. Work SikaWall maxflash flush with the surface. Overlap both sides of the gap onto sheathing min 1". See WeatherSeal VP AP LT Data Sheet for details.
- Apply PAREX® WeatherSeal VP AB LT over the entire outer sheathing surface, at a rate of not more than 100 sq. ft. per gal. (2.4 sq. m. per L), once SikaWall 9000 sheathing Joint Tape is firmly embedded or SikaWall Maxflash has cured, approximately 10–12 wet mils. The transparency of the PAREX® WeatherSeal VP AB LT is not an indication of the thickness.

- For specific installation details refer to Parex Water Resistive Barriers Details.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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