

PRODUCT DATA SHEET

PAREX[®] WeatherBlock VB AB

Air & Vapor Barrier Waterproof Membrane

PRODUCT DESCRIPTION

Acrylic co-polymer fast drying vapor impermeable, elastomeric waterproof and air barrier coating which can be either rolled, brushed, or spray applied.

USES

Designed for use as vapor barrier behind exterior claddings.

CHARACTERISTICS / ADVANTAGES

- Extremely flexible
- Bridge cracks and accommodate small movements up to 1/32 in. (0.8mm)
- Bridges 1/8 in. (3mm) gaps at sheathing board joints with SikaWall Sheathing Fabric embedded.
- Low VOC

PRODUCT INFORMATION

Packaging	60 lb (27.2 kg) net weight in plastic pails		
Shelf Life	12 months when protected from rain and moisture		
Storage Conditions	Protect from sun and freezing at all times		
Volatile organic compound (VOC) content	EPA Reference Test Method 24	US EPA, South Coast AQMD and Greenseal Standard	10 g/L (Meets SCAQMD Rule 1113)

SUSTAINABILITY INFORMATION

Air quality and emissions	Regional Harvest	LEED MRc 5.1	100% at all facilities
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TECHNICAL INFORMATION

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	
Resistance to Weathering	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	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



Durability	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
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	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	<ul style="list-style-type: none"> 100-125 ft². (9-12 m²) per pail (when 2 coats needed) 200-250 ft². (18-23 m²) per pail (when 1 coat needed)
Substrates	<p>Acceptable substrates:</p> <p>Glass mat gypsum sheathing Exterior-grade gypsum sheathing Exposure 1 exterior plywood Exposure 1 OSB Concrete Concrete masonry Brick Cement board sheathing.</p>
Drying Time	Typically 45 min - 2 hours depending upon temperature, humidity and substrate.

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 40°F (4°C) and 110°F (43.3°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® WeatherBlock VB AB to bond to the surface
- Not for water immersion
- PAREX® 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 Sika Facades 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 PAREX® 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.
- For additional technical guidance, contact Technical Services at (800) 226-2424.

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.

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% 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® WeatherBlock VB AB to a uniform consistency. Avoid creating air bubbles or foam.
- For some spray applications it may be necessary to

thin PAREX® 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 Sika Facades 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.
- PAREX® WeatherBlock VB AB is easily applied with roller, brush or suitable spray equipment. Sprayed applications require backrolling. Contact Sika Facades 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 PAREX® WeatherBlock VB AB approximately 6 in. (150mm) wide centered over:
 - Sheathing joints
 - Sheathing board gaps up to 1/4 in. (6mm) wide
 - Open holes up to 1 in. (25mm) across
 - Back flanges of flashings and drip track
- Immediately place the SikaWall Sheathing Fabric centered in the wet PAREX® WeatherBlock VB AB. Run a trowel or taping knife over the sheathing fabric to embed it into the wet PAREX® WeatherBlock VB AB. Do not let PAREX® WeatherBlock VB AB skin over before applying and embedding SikaWall Sheathing Fabric. Work in small enough areas to ensure that PAREX® WeatherBlock VB AB is wet when SikaWall Sheathing Fabric is embedded in it. If PAREX® WeatherBlock VB AB does skin over before embedding SikaWall Sheathing Fabric, scrape off semi-liquid PAREX® WeatherBlock VB AB or let it dry and re-apply.
- Apply additional PAREX® WeatherBlock VB AB to entirely cover the SikaWall Sheathing Fabric. Correct larger gaps and holes by replacing sheathing.
- As an alternative method for joint treatment use SikaWall MaxFlash. Work SikaWall MaxFlash flush with the surface. Overlap both sides of the gap onto sheathing min 1". See SikaWall Maxflash data sheet for details and installation instructions.
- Apply PAREX® 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 SikaWall Sheathing Fabric is firmly embedded. Apply 60 wet mils (approx 40 dry mils) in minimum of two coats. Multiple coats should be allowed to dry between coats. Check the wet film thickness with mil thickness gauge to insure proper coverage. The transparency of the PAREX® WeatherBlock VB AB is not an indication of the thickness.
- For spray applications, strain the material using a paint strainer before sparying material.

CLEANING

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

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.

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Product Data Sheet

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