BUILDING TRUST

PRODUCT DATA SHEET

PAREX® WeatherSeal Spray & Roll-On

Fluid Applied Water-Resistive Membrane & Air Barrier

PRODUCT DESCRIPTION

PAREX® WeatherSeal Spray & Roll-On is a 100% acrylic elastomeric air barrier and water-restitive membrane that can be either rolled, brushed, or spray applied. It is highly flexible and can bridge cracks and accommodate substrate movements up to 1/32 in. (0.8mm). When used with in combination with SikaWall Sheathing Fabric it can bridge gaps up to 1/4 in. (6mm) gaps at sheathing board joints .

USES

Designed for use as water-resistive barrier behind exterior claddings.

CHARACTERISTICS / ADVANTAGES

- One continuous air/water-resisitve barrier for buildings with multiple claddings (can be used with most code-compliant claddings).
- Code compliant with ASTM E2570
- One component, easy to apply formulation that meets low VOC requirements in all 50 states.
- Water clean up
- Rugged membrane resists damage after installation.
- Allows for flexible construction scheduling with the application of up to a 6 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	▪ Protect materials during transportation to avoid physical damage. Store in a

	cool, dry place protected from freezing, extreme heat and direct sun. Store at no less than 40°F (4.4°C). ▪ Do not stack pallets.
Volatile organic compound (VOC) content	42 grams per liter

TECHNICAL INFORMATION

Substrate

Water-resistive barrier coating for application to:
- Glass mat gypsum sheathing
- Exterior-grade gypsum sheathing
- Exposure 1 exterior plywood
- Exposure 1 OSB
- Concrete
- CMU
- Brick
- Cement board sheathing (Consult “Acceptable Substrate and Area of Use” Technical bulletin for more details)

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%
Mandrel Bend	ASTM D522	1/8" mandrel, minus 40º F/C	No Cracks

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	ASTM D1970	No Criteria	Pass: 5 inches of water
	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
Air permeance	Air Infiltration	ASTM E2178	Calculated flow Rate at 75 Pa (1.57 lb/ft², 0.3 in H2O) = < 0.02 L/m²*s (< 0.004 cfm/ft²)	< .00001 L/m²*s (0.00001 cfm/ft²) at 75 Pa (1.57 lb/ft², 0.3 in H_2O)
	Air Leakage of Air Barrier Assemblies	ASTM E2357	ASTM E2357 ****IS THIS TYPO?	Pass: < 0.2 L/s·m² at 75 Pa) (< 0.04 cfm / ft² at 1.57 psf)
	Air Leakage	ASTM E283	No Criteria	< 0.004 cfm/ft²
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/cm².
	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 - 10-12 Wet Mils	450-500 ft^2	Thicker applications can cause sagging of the product.
Exposure 1 Plywood PS-1 C/D or PS-2 C/D	2 coats - 10-12 Wet Mils per coat	500 ft^2 per coat/ 250-300 ft^2	Normal irregularities in the profile will produce variation in dry film thickness.
Exposure 1 Oriented Strand Board (OSB)	2 coats - 10-12 Wet Mils per Coat	500 ft^2 per coat /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 - 10-12 Wet Mils per coat	500 ft^2 per coat/250-300 ft^2	-
Cast or Precast concrete	1 coat - 10-12 Wet Mils	350-400 ft^2	If voids exist, they must be filled or leveled with Stucco Level Coat before application of the PAREX® WeatherSeal Spray & Roll-On.
Concrete Masonry Units	2 coats- 10- 12 Wet mils per coat	350-400 ft^2 per coat/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 Sika Wall Stucco Surface Leveler - 10-12 Wet Mils	350-400 ft^2 per coat/350-400 ft^2	Weatherseal Spray and Roll-on may be applied in a single coat over CMU if leveled out with SikaWall Stucco Surface Leveler before application of PAREX® WeatherSeal Spray & Roll-On.

Drying Time	Typically 24 hours depending upon temperature, humidity and substrate. Additional coats may be applied within 1-4 hours depending on conditions.

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.

LIMITATIONS

- Ambient and surface temperatures must be 32ºF (0ºC) or higher during application and drying time. Provide supplemental heat and protection from precipitation as needed.
- Final air/water-resistive properties and film durability rely on temperatures rising above freezing (32°F/0°C).
- Use only on surfaces that are sound, clean, dry, and free from any residue which may affect the ability of the PAREX® WeatherSeal Spray & Roll-On to bond to the surface.
- Not for use below grade.
- Not for water immersion.
- PAREX® WeatherSeal Spray & Roll-On may remain 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 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.

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 of removal to expose 90% percent of the surface having paint. Any minor residual paint should be well-adhered, and substrate must remain sound. Surface preparation methods should avoid damaging or compromising the substrate.
- For additional options for surface preparation, contact Sika FacadesTechnical Support.

MIXING

- Use clean equipment for mixing and preparation.
- Stir PAREX® WeatherSeal Spray & Roll-On to a uniform consistency. Avoid creating air bubbles or foam.
- For some spray applications it may be necessary to thin PAREX® WeatherSeal Spray & Roll-On 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 Product Data Sheet 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 Spray & Roll-On is easily applied with roller, brush or suitable spray equipment. For sprayed applications, See Sika Facades Technical Bulletin for Spraying PAREX® WeatherSeal Spray & Roll-On.
- 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 WeatherSeal Spray & Roll-On 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 SikaWall 9000 centered sheathing fabric centered in the wet PAREX® WeatherSeal Spray & Roll-On. Using a trowel or taping knife over the sheathing joint tape press the fabric firmly into the wet PAREX® WeatherSeal Spray & Roll-On the WeatherSeal Spray and Roll-On to fully embed the sheathng fabric. Do not let PAREX® WeatherSeal Spray & Roll-On skin over before applying and embedding SikaWall 9000 sheathing fabric. Work in small enough areas to ensure that PAREX® WeatherSeal Spray & Roll-On is wet when SikaWall 9000 sheathing fabric is fully embedded. If PAREX® WeatherSeal Spray & Roll-On does skin over before embedding SikaWall 9000 Sheathing Fabric, scrape off semi-liquid PAREX® WeatherSeal Spray & Roll-On 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. Apply SikaWall MaxFlash flush with

the surface. Overlap both sides of the gap onto sheathing min 1". See SikaWall MaxFlash Data Sheet for details

- After SikaWall 9000 Sheathing Fabric is completely embedded, apply PAREX® WeatherSeal Spray & Roll-On over the entire outer sheathing surface, at a rate of not more than 100 ft2 per gal. (2.4 m2. per L), approximately 10–12 wet mils in a single coat. Normal irregularities in the profile will occur in OSB, plywood, cement board and CMU, therefore a variation in dry film thickness is normal. The transparency of the dry PAREX® WeatherSeal Spray & Roll-On is not an indication of the thickness.
- For specific installation details refer to Parex Water Resistive Barriers Details at https://usa.sika.com/parex

MAINTENANCE

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.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at https://usa.sika.com/en/group/SikaCorp/termsandconditions.html or by calling 1-800-933-7452.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com