

## PRODUCT DATA SHEET

# PAREX® 121 Wet Basecoat & Adhesive

## Dual use Basecoat & Adhesive

### PRODUCT DESCRIPTION

PAREX® 121 Wet Basecoat & Adhesive is used with Parex EIFS. It is a 100% acrylic adhesive and base coat that is field-mixed with Type I or Type II Portland cement (50% Acrylic paste to 50% cement ratio). As an adhesive it is used to laminate EPS or XPS insulation to listed substrates.

### USES

For reinforcing mesh embedment as part of Parex Systems and as a skim coat over masonry and concrete above grade substrates.

### CHARACTERISTICS / ADVANTAGES

- Trowels on easily, speeds mesh embedment, reduces applicator arm fatigue, increases jobsite productivity.
- Smooth creamy consistency for easier application
- Uses a familiar 1:1 mixing ratio with portland cement making it easy to mix providing less chance for error.
- 100% Acrylic.
- Water based formulation for safer handling and easy clean up.
- Provides long-term durability. Safe, non-toxic and cleans up easily with soap and water.

### PRODUCT INFORMATION

|                    |  |
|--------------------|--|
| Packaging          | 55 lb / 5 gal pail   |
| Color              | Off white prior to addition of Portland cement.  |
| Shelf Life         | Two (2) years, when properly stored in original container.   |
| Storage Conditions | <ul style="list-style-type: none"><li>▪ Protect materials during transportation to avoid physical damage. Store in a cool, dry place protected from freezing, extreme heat and direct sun. Store</li></ul> |

- at no less than 40°F (4°C).
- Do not stack pallets.

Volatile organic compound (VOC) content

4 grams per liter

## TECHNICAL INFORMATION

|                          |  |                   |   |  |
|--------------------------|--|-------------------|---|--|
| Tensile Strength         | <b>Test</b>                              | <b>METHOD</b>     | <b>CRITERIA</b>                               | <b>RESULT</b>  |
|                          | Tensile Bond                             | ASTM C297, E2134  | 15 psi minimum                                | >15 psi  |
| Resistance to Weathering | <b>Test</b>                              | <b>METHOD</b>     | <b>CRITERIA</b>                               | <b>RESULT</b>  |
|                          | Accelerated Weathering                   | ASTM G 23         | No deleterious effects after 2000 hours.      | Pass   |
|                          | Accelerated Weathering                   | ASTM G 53         | No deleterious effects after 7500 hours.      | Pass   |
|                          |  |                   |   |  |
| Water resistance         | <b>Test</b>                              | <b>METHOD</b>     | <b>CRITERIA</b>                               | <b>RESULT</b>  |
|                          | Water Resistance of Coating in 100% R.H. | ASTM D 2247       | No deleterious effects after 14 days exposure | Pass   |
|                          | Water Vapor Transmission                 | ASTM E96 Method B | Report Value                                  | PAREX® 121 Wet Basecoat & Adhesive with Parex 355 and Parex DPR Finish: 15.1 Perms |
|                          |  |                   |   |  |
| Reaction to Fire         | <b>Test</b>                              | <b>METHOD</b>     | <b>CRITERIA</b>                               | <b>RESULT</b>  |
|                          | Surface Burning Characteristics          | ASTM E 84         | Report Value                                  | Flame Spread < 25<br>Smoke Development < 450 (Class A)                             |

## APPLICATION INFORMATION

|            |   |
|------------|---|
| Coverage   | <p>Coverages per pail</p> <p><b>Adhesive</b></p> <p>Notch trowel: 145-150 ft²</p> <p><b>Mesh Embedment</b></p> <p>Parex 355 Standard Mesh: 255-260 ft²</p> <p>SikaWall®-9000 Intermediate 12: 185-190ft²</p> <p>SikaWall -9015 Ultra Hi 20 &amp; Parex 355 Standard Mesh: 110-115ft²</p> <p>Adhesive &amp; Parex 355 Standard Mesh: 110ft²</p> <p>* Coverage rates vary depending on porosity of substrates and application techniques.</p> |
| Substrates | <p>EPS adhesive for the following substrates:</p> <ul style="list-style-type: none"> <li>▪ Exterior grade gypsum sheathing</li> <li>▪ Glass mat gypsum sheathing</li> <li>▪ Masonry, concrete and cement board</li> <li>▪ EPS</li> <li>▪ Parex WeatherSeal Spray &amp; Roll-On and WeatherSeal Trowel-On Water Resistive Barrier Coatings</li> </ul>  |

## Drying Time

As a leveler allow to cure 24 hours prior to finish application. As base coat for mesh embedment allow 8-10 hours.

PAREX® 121 Wet Basecoat & Adhesive achieves full strength in approximately 28 days. Protect from rain and temperatures of less than 40°F (4°C) for a minimum of 24 hours. Higher humidity and/or cooler temperatures may require longer protection.

## 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

1. Not for use directly over wood-based substrates or metal.
2. Do not exceed applied thickness of 1/8" (3.2mm).
3. Efflorescence of Portland cement based substrates such as concrete, masonry units and stucco may cause staining or discoloration on the surface of applied base coat.
4. When temperatures less than 40°F (4°C) prevail, provide supplementary heat during installation and drying period for at least 24 hours after installation and until dry.
5. Protect from rain
6. Do not apply in ambient temperature above 100°F (38°C) or surface temperature above 120°F (49°C)
7. Do not apply materials to frozen surfaces.
8. Not for use on damp surfaces, belowgrade applications or on surfaces subject to water immersion.
9. Application in direct sunlight in hot weather will significantly reduce open time for embedding Parex reinforcing mesh and smoothing the surface.
10. Use only on surfaces that are sound, clean, dry, unpainted and free from any residue which may affect the ability of the EPS Basecoat & Adhesive to bond to the surface
11. Do not use as a leveler for EPS. Rasp EPS level.
12. 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

### SURFACE PREPARATION

Substrates must be clean, dry, sound and free of loose material, releasing agents, paint, efflorescence, contaminants and bond inhibiting coatings.

- Concrete: allow to cure a minimum of 28 days prior to application of base coat.
- Unit Masonry: allow to cure prior to application of base coat.
- Stucco: allow to cure a minimum of 6 days prior to application of base coat.

### MIXING

In a clean container, mix the contents of the PAREX® 121 Wet Basecoat & Adhesive pail with a low speed drill and paddle mixer until thoroughly blended. Mix one-part (by weight) Portland cement with one-part PAREX® 121 Wet Basecoat & Adhesive. Add Portland cement in small increments, thoroughly mixing to a homogeneous consistency after each additional increment. Let the mixture sit for 5-10 minutes then stir to a creamy consistency. Up to 32 oz. (0.9 L) of water per half pail, may be added to achieve the desired workability.

- Do not use a container which has contained or been cleaned with a petroleum based product.
- Do not overmix. Excessive stirring will cause faster setting of the PAREX® 121 Wet Basecoat & Adhesive and significantly reduce working time.
- Additives are not permitted.
- Close container when not in use.
- Clean tools with soap and water immediately after use. Dried material can only be removed mechanically.
- If Type 1-L Portland is used, contact Sika Facades Technical Service for approval.

### APPLICATION

#### ADHESIVE FOR NON-DRAINAGE EIFS/EPS TO EPS

Notched trowel method: Apply base coat to entire surface of insulation board using a stainless steel trowel with 1/2" x 1/2" notches spaced 1/2" apart (13 mm x 13 mm x 13 mm) or 3/8" x 3/8" notches spaced 3/8" apart (10 mm x 10 mm x 10 mm).

#### ADHESIVE FOR ADHERED SENERGY DRAINAGE EIFS

Apply base coat to entire surface of insulation board using a stainless-steel trowel with 1/2"x 1/2" notches spaced 2" apart (13 mm x 13 mm x 50 mm). Ribbons of adhesive must be applied parallel to the 2' dimension of the EPS insulation board to ensure they are vertical when the EPS insulation board is applied to the substrate. Immediately set board into place and apply pressure over entire surface of board to ensure positive uniform contact and high initial grab. Do not slide board

into place.

Do not allow base coat to dry prior to installing. Allow application of EPS insulation board to dry (normally 8 to 10 hours) prior to application of PAREX® 121 Wet Basecoat & Adhesive/Reinforcing Mesh.

**Note: Allow to cure for at least 24 hours before applying finish.**

#### **APPLICATION AS BASE COAT FOR REINFORCING MESH EMBEDMENT**

Trowel apply base coat to the surface of the insulation board or approved substrate. Fully embed reinforcing mesh into wet base coat, ensure no mesh color is visible. Lap reinforcing mesh a minimum 2 ½" (64 mm) at edges and 8" (203 mm) around corners. Ensure reinforcing mesh is free of wrinkles.

Allow reinforced base coat to dry hard (normally 8 to 10 hours) prior to application Parex Finish or SikaWall-15 Tinted Primer.

### **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](https://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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