BUILDING TRUST

PRODUCT DATA SHEET

PAREX® 121 Dry HI Basecoat & Adhesive

High Impact Resistance Basecoat & Adhesive

PRODUCT DESCRIPTION

PAREX® 121 Dry HI Basecoat & Adhesive as a High Impact EIFS Basecoat & Adhesive. It can be used as an adhesive to laminate EPS to listed substrates, and as a basecoat with increased impact and puncture resistance. Formulated to support enhanced impact classification ratings.

USES

PAREX® 121 Dry HI Basecoat & Adhesive may be used as a leveler and filler for masonry, concrete, and stucco surfaces only. For this application only, PAREX® 121 Dry HI Basecoat & Adhesive can be built up to 1/4 in. (6mm) thick in a single pass.

CHARACTERISTICS / ADVANTAGES

- Impact and Puncture Resistance
- Dual use Basecoat & Adhesive
- Fire Tested Performance
- Proven Wall Technology
- Commercial or Residential

APPROVALS / STANDARDS

Please refer to table below to acheive desired impact classification.

EIMA/ASTM CLASSIFICATION	PAREX MESH	PAREX SYSTEM	PAREX IMPACT CLASSIFICATION
Standard (25-49 in-lb)	355 Standard Mesh 4.5 oz	▪ **Standard:** EIFS Basecoat & Adhesive ▪ **Intermediate*:** 121 Dry HI	▪ **Standard** (36 in-lb) ▪ **Intermediate** (88 in-lb)
Intermediate (50-89 in-lb)	SikaWall-9000 Intermediate 12	▪ **Intermediate:** EIFS Basecoat & Adhesive ▪ **Ultra High*:**121 Dry HI	▪ **Intermediate** (80 in-lb) ▪ **Ultra High** (160 in-lb)
High (90-150 in-lb)	SikaWall-9000 Strong 15 (Plus Standard Mesh 4.5oz)	▪ **High:** EIFS Basecoat & Adhesive ▪ **Ultra High:**121 Dry HI	▪ **High** (132 in-lb) ▪ **Ultra High** (>160 in-lb)
Ultra High (over 150 in-lb)	SikaWall-9015 Ultra High 20 (Plus Standard Mesh 4.5oz)	▪ **Ultra High:** EIFS Basecoat & Adhesive ▪ **Ultra High:**121 Dry HI	▪ **Ultra High** (>160 in-lb) ▪ **Ultra High** (>160 in-lb)

* Achieve Higher Impact Classification with lower material cost and labor

PRODUCT INFORMATION

Packaging	50 lbs. (22.7 kgs) net weight bag
Shelf Life	12 months, when properly stored in original container.
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°C). ▪ Do not stack pallets.

APPLICATION INFORMATION

Coverage	Depending on the condition of the substrate and method of application, approximate coverages per bag are: As an adhesive: ▪ 5/16 in. (8mm) notched trowel: 130-145 ft2 (12-13.5 m2) ▪ 5/8 in. (16mm) notched trowel: 80-95 ft2 (7.4-8.8 m2) ▪ 1/2 in. (12.7mm) notched trowel: 135-150 ft2 (12.5-14 m2) As a basecoat to embed ▪ Parex 355 Standard Mesh: 105-125 ft2 (9.7-11.6 m2) ▪ SikaWall-9000 Intermediate 12 Mesh: 70-90 ft2 (6.5-8.3 m2) As a double-layer basecoat to embed ▪ Parex 355 Standard Mesh and SikaWall-9005 Intermediate 6 Mesh: 35-55 ft2 (3.3-5.1 m2)
Substrates	▪ Exterior grade gypsum sheathing ▪ Glass mat gypsum sheathing ▪ Masonry, concrete and cement board ▪ EPS ▪ Parex WeatherSeal Spray & Roll-On and WeatherSeal Trowel-On Water Resistive Barrier Coatings
Drying Time	Full adhesive bond strength is reached after 1–4 days, depending on humidity and temperature. Dries within 24 hours under normal drying conditions [70ºF (21ºC), 50% RH]. Cold and/or humid weather may extend drying time. SikaWall Accel-Pak may be added to decrease drying time. See Data sheet for

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 1/4" (6 mm).
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. Do not apply in ambient temperature above 100°F (38°C) or surface temperature above 120°F (49°C)
6. Do not apply materials to frozen surfaces.
7. Not for use on damp surfaces, belowgrade applications or on surfaces subject to water immersion.
8. Application in direct sunlight in hot weather will significantly reduce open time for embedding Parex reinforcing mesh and smoothing the surface.
9. Use only on surfaces that are sound, clean, dry, unpainted and free from any residue which may affect the ability of PAREX® 121 Dry HI Basecoat & Adhesive to bond to the surface
10. Do not use as a leveler for EPS Insulation. EPS Insulation should be rasped smooth prior to application of Parex 121 HI Basecoat.
11. 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

Planar irregularities are limited to 1/4 in. (6mm) or less in a 4 ft. (1.22 m) radius. Surface irregularities are limited to 1/4 in. (6mm) or less for masonry and concrete and 1/8 in. (3mm) or less for sheathing. Irregular and uneven surface should be filled with any Parex 121 Basecoat & Adhesive.
Remove surface contaminants such as dust or dirt without damaging the substrate.
Painted substrates must have the paint removed with methods that result in no more than 10% of the remaining surface having paint.
For additional options for surface preparation, contact Sika Facades Technical Services Department.

MIXING

- Use clean equipment for mixing and preparation.
- Add 5-6 quarts (4.7-5.7 L) of cool clean potable water to a 5 gal pail.
- Add half of the amount of 121 Dry HI Basecoat & Adhesive and mix to a homogenous consistency using a heavy-duty 1/2 in. (13 mm) drill with a rust-free paddle at 400-500 rpm.
- Then add the remaining half and mix until consistent.
- Small amounts of cool clean potable water may be added to adjust workability.
- Let the mixture stand for five minutes after initial mixing, then stir again, adding small amounts of water for workability once only.
- Parex 121 Dry HI Basecoat & Adhesive should be used immediately after mixing.
- Half batches may be mixed for convenience.
- Only Sika Facades approved additives can be added to this product.

APPLICATION

Read the entire label before using this product.

- **Adhesive Application**: Apply the 121 Dry HI Basecoat & Adhesive to the entire surface on one face of the insulation board, using a 5/8 in. (16mm) notched trowel for masonry and concrete, or a 1/2-in. notched trowel for the WaterMaster System, or a 5/16 in. (8mm) notched trowel for sheathing. The adhesive ribbons should be of uniform thickness, run vertically when positioned on the wall (parallel to the 2 ft. [61 cm] board dimension), and reach the perimeter of the insulation board.
- To ensure high initial grab and uniform adhesive contact, apply insulation board to the wall with firm pressure to the entire surface.
- Apply sufficient pressure to flatten adhesive ridges. Glass mat sheathing requires extra pressure.
- **Base coat Application**: Rasp EPS board after 24 hours and when adhesive has fully cured and bonded.
- Using a stainless steel trowel, apply the 121 Dry HI Basecoat & Adhesive mixture to the rasped surface of the insulation board to a uniform thickness of 1/16 - 3/32 in. (1.5 - 2.4mm). Embed the Parex USA reinforcing mesh immediately in the wet 121 Dry HI Basecoat & Adhesive mixture. Smooth the surface of the 121 Dry HI Basecoat & Adhesive mixture with a trowel until the reinforcing mesh is fully embedded and the basecoat thickness is approximately 1/16 in.

(1.5mm). The color of the reinforcing mesh should not be visible at the surface of the 121 Dry HI Basecoat & Adhesive material. A slight pattern of the mesh is acceptable, due to shrinkage of the cementitious Basecoat upon drying.

- **As a leveler or filler**: Apply Parex 121 Dry HI Basecoat & Adhesive and trowel to a smooth, uniform surface. Maximum thickness in a single application should be no more than 1/4 in. (6mm).
- When overlapping reinforcing mesh, special care must be taken to ensure the basecoat & mesh is flat, level and free from bumps. Basecoat should be feathered onto either side of the overlap.
- The mesh overlaps should be reviewed to ensure they are acceptably flat before proceeding.
- When SikaWall-9000 Intermediate 12 Mesh is used in a single layer, the SikaWall-9000 Intermediate 12 Mesh should be embedded into wet Parex 121 DRY HI Basecoat & Adhesive with edges and ends tightly abutted. Immediately following this procedure, SikaWall-9020 Detail Backwrap Mesh strips are centered over the butted ends and edges of the SikaWall-9000 Intermediate 12 Mesh reinforcing mesh. Embed the short detail mesh strips in base coat, troweling to a flat, flush surface covering the color of the detail mesh with base coat. Do not allow a build up of base coat thicker than on the surrounding SikaWall-9000 Intermediate 12 Mesh.
- Refer to Parex Technical Bulletin - Importance of Properly Backwrapping Drainage EIFS

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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