



# 121 Dry HI

## Basecoat & Adhesive



### DESCRIPTION

- High Impact EIFS Basecoat & Adhesive
- Adhesive to laminate EPS to listed substrates
- Superior impact and puncture resistance
- Achieve higher impact classifications
- Excellent workability

### USES

- EPS adhesive for the following substrates:
  - Exterior grade gypsum sheathing
  - Glass mat gypsum sheathing
  - Masonry, concrete and cement board
  - EPS
  - Parex USA WeatherSeal Spray & Roll-On and WeatherSeal Trowel-On Water Resistant Barrier Coatings
- Leveler and filler for masonry, concrete, stucco surfaces. For this application only, 121 Dry HI Basecoat & Adhesive can be built up to 1/4 in. (6mm) thick in a single pass.

### COMPOSITION

- Binder base: Copolymer compatible with portland cement
- Water base: VOC-Compliant
- Color: Light gray

### WORKING TIME

Pot life is 1–2 hours after water has been added. Open time is affected by humidity and temperature.

### 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 [70°F (21°C), 50% RH]. Cold and/or humid weather may extend drying time. Parex USA Accel-Pak may be added to decrease drying time. See Data sheet for more information.

### CLEAN-UP

Water-soluble prior to drying. Clean tools and containers with water before mixture sets.

EIMA/ASTM CLASSIFICATION	PAREX USA MESH	PAREX SYSTEM	PAREX IMPACT CLASSIFICATION ACHIEVED
Standard (25-49 in-lb)	355 Standard Mesh 4.5 oz	Standard EIFS Basecoat & Adhesive	Standard (36 in-lb)
		121 Dry HI	<b>Intermediate*</b> <b>(88 in-lb)</b>
Intermediate (50-89 in-lb)	358.10 Intermediate Impact 12oz	Standard EIFS Basecoat & Adhesive	Intermediate (80 in-lb)
		121 Dry HI	<b>Ultra High*</b> <b>(160 in-lb)</b>
High (90-150 in-lb)	358.14 High Impact 15oz (Plus Standard Mesh 4.5oz)	Standard EIFS Basecoat & Adhesive	High (132 in-lb)
		121 Dry HI	<b>Ultra High*</b> <b>(&gt;160 in-lb)</b>
Ultra High (over 150 in-lb)	358.20 Ultra High Impact 20oz (Plus Standard Mesh 4.5oz)	Standard EIFS Basecoat & Adhesive	Ultra High (>160 in-lb)
		121 Dry HI	Ultra High (>160 in-lb)

\* Achieve Higher Impact Classification with lower material cost and labor

## 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 ft<sup>2</sup> (12-13.5 m<sup>2</sup>)
  - 5/8 in. (16mm) notched trowel: 80-95 ft<sup>2</sup> (7.4-8.8 m<sup>2</sup>)
  - 1/2 in. (12.7mm) notched trowel: 135-150 ft<sup>2</sup> (12.5-14 m<sup>2</sup>)
- As a basecoat to embed
  - 355 Parex USA Standard Mesh: 105-125 ft<sup>2</sup> (9.7-11.6 m<sup>2</sup>)
  - 358.10 Intermediate Impact Mesh: 70-90 ft<sup>2</sup> (6.5-8.3 m<sup>2</sup>)
- As a double-layer basecoat to embed
  - 355 Parex USA Standard Mesh and 358.20 Ultra High Impact Mesh: 35-55 ft<sup>2</sup> (3.3-5.1 m<sup>2</sup>)

## CONTAINER

50 lbs. (22.7 kgs) net weight in multiwall moisture-resistant bags.

- Storage: Store off the ground and protect from sun and moisture
- Shelf Life: Reference Parex USA Expiration Date of Products Technical Bulletin

## 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 Parex USA 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 Parex USA 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 Intermediate 358.10 Impact Mesh is used in a single layer the 358.10 mesh should be embedded into wet Parex 121 DRY HI Basecoat & Adhesive with edges and ends tightly abutted. Immediately following this procedure, Parex USA 356 Short Detail Mesh strips are centered over the butted ends and edges of the 358.10 Intermediate 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 258.10 mesh.
- Refer to Technical Bulletin 61 for more information.

## LIMITATIONS

- Ambient and surface temperature must be 40°F (4°C) or higher during application and curing time. Provide supplemental heat and protection from precipitation as needed.
- Use only on surfaces that are sound, clean, dry, unpainted (10% or less) and free from any residue which may affect the ability of the 121 Dry HI Basecoat & Adhesive to bond to the surface.
- Application in direct sunlight in hot weather will significantly reduce open time for embedding Parex reinforcing mesh and smoothing the surface.
- Do not use as a leveler for EPS. Rasp EPS level.

## WARNING

- Read complete warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Safety Data Sheet (SDS). The most current SDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

## PAREXUSA

Parex USA, Inc., a California Corporation  
2150 Eastridge Ave.  
Riverside, CA 925 07  
www.parexusa.com  
866-516-0061 Tech Support: 800-226-2424