



121 Cool Base Basecoat & Adhesive

TEST	METHOD	CRITERIA	RESULTS
Accelerated Weathering*	ASTM G 153 (ASTM G 23) ASTM G 154	No deleterious effects at 2000 hours when viewed under 5x magnification	Pass
Fungus Resistance	MIL STD 810B		28 days: no growth
Freeze/Thaw Resistance*	ASTM E2485	No deleterious effects at 10 cycles when viewed under 5x magnification	Pass
Impact Strength	EIMA 101.86 / ASTM E2486	Standard Impact	Pass with Standard Mesh, Higher Impact Ranges per Mesh
Mildew Resistance	ASTM D3273	No growth supported during 28 day exposure period	Pass
Water Penetration	ASTM E331	No water penetration beyond the plane of the base coat/ EPS board interface after 15 minutes at 6.24 psf (299 Pa)	Pass
Moisture Resistance	ASTM D2247	No deleterious effects at 14 day exposure	Pass
Salt Fog Resistance*	ASTM B117	No deleterious effects at 300 hours	Pass: 500 hrs
Surface Burning Characteristics	ASTM E84	< 25 Flame Spread < 450 Smoke Developed	Flame Spread : 0 Smoke Developed :10
Tensile Adhesion (psi)	ASTM C297	> 15 psi or no failure of adhesive	Pass: Concrete, Gypsum Sheathing, Dens-Glass Gold, Cement Board
Water Penetration	ASTM E331	No water penetration beyond the inner-most plane of the wall after 2 hours at 299 Pa (6.24 psf)	Pass
Water Vapor Transmission	ASTM E96 Procedure B	Vapor Permeable	Permeable
Wind-Driven Rain	F.S. TT-C-555B		24Hrs: No penetration of water

*Tested with Parex USA Reinforcing mesh and DPR Finish Coat

	STANDARD EIFS BASECOAT & ADHESIVE (°F)	PAREX 121 COOL BASE (°F)	% COOLER	DIFFERENCES IN DEGREES (°F)
8:00 AM	70.5	65.5	8%	-5
10:00 AM	90.5	75.9	19%	-14.6
12:00 PM	133.3	101	32%	-32.3
2:00 PM	137.8	102.2	35%	-35.6
4:00 PM	115.3	91.15	26%	-24.15

DESCRIPTION:

- White basecoat for Parex EIFS
- Promotes better coverage of finish
- Faster and easier application of finish
- Adhesive to laminate EPS to listed substrates
- Applied without the addition of cement
- Mixed on site with water

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
- Basecoat for Parex Nu-Tech Stucco and other architectural coatings and finishes (ACF).
- Leveler and filler for masonry, concrete, stucco surfaces. For this application only, 121 Cool Base can be built up to 1/4 in. (6 mm) thick in a single pass.

COMPOSITION:

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

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.

As an adhesive, over Parex USA Water-Resistive & Air Barrier: Dries within 30 hours under normal drying conditions. [70°F (21°C), 50% RH].

Parex USA Accel-Pak may be added to decrease drying time. See Data sheet for more 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: 145-160 ft² (13.5-14.8 m²)
 - 5/8 in. (16mm) notched trowel: 95-110 ft² (8.8-10.2 m²)
 - 1/2 in. (12.7mm) notched trowel: 145-160 ft² (13.4-14.8 m²)
- As a basecoat to embed 355 Parex USA Standard Mesh: 150-170 ft² (14-15.8 m²)
- As a double-layer basecoat to embed 355 Parex USA Standard Mesh and 358.20 Ultra High Impact Mesh: 55-75 ft² (5.16-7.0 m²)
- As a leveler, coverage depends upon the thickness applied.

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

CLEAN-UP:

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

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 Cool Base 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 Cool Base 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 Cool Base 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 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.
- Basecoat Application: Rasp EPS board after 24 hours and when adhesive has fully cured and bonded. Using a stainless steel trowel, apply the 121 Cool Base 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 reinforcing mesh immediately in the wet 121 Cool Base mixture. Smooth the surface of the 121 Cool Base 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 Cool Base 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 Cool Base and trowel to a smooth, uniform surface. Maximum thickness in a single application should be no more than 1/4 in. (6 mm).
- 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. 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 Cool Base 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.

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