

hard-setting acrylic adhesive for Rubber and Vinyl

Description

Erv Parent EP 57R is a proprietary, hard-set, wet-lay adhesive designed specifically for installing recycled rubber floor coverings, engineered rubber floor coverings, vinyl floor coverings and luxury vinyl tile and plank. With its strong, durable, moisture-resistant and alkali-resistant bond, it is ideal for commercial and institutional applications. EP 57R has an excellent open time, develops strength quickly, performs well under rolling loads and resists indentation. Its low-odour, low-VOC formulation makes it ideal for use in occupied buildings such as hospitals and schools. EP 57R provides aggressive tack and superior bond for rubber and vinyl floorings. As a hard-setting adhesive, it resists shrinkage and aids in keeping seams and butt joints tight and together.

Features and Benefits

- Hard-setting for the best in indentation and shrinkage resistance
- Plasticiser migration resistant for use with all solid vinyl flooring
- Easy trowel-ability for quick installation
- Low-odour formula for use in occupied buildings

Industry Standards and Approvals

LEED Version 3.0 Points Contribution

- MR Credit 5, Regional Materials:
 - up to 2 points
- IAQ Credit 4.1, Low-Emitting Materials:
 - 1 point

Using this product may help contribute to LEED certification of projects in the categories shown above. Points are awarded based on contributions of all project materials.

Where to use

- For the installation of Erv Parent engineered and recycled rubber flooring, vinyl flooring and luxury vinyl tile and plank flooring (LVT).
- Interior residential (rental apartments, condominiums, houses)
- Interior commercial (office buildings, cafeterias)
- Interior heavy commercial (shopping malls, grocery stores, department stores)
- Interior institutional (hospitals, schools, universities, libraries, government buildings)

Limitations

- Do not install over any substrates containing asbestos.
- For interior installations only (for exterior applications use EP 96 Plus adhesive)
- Do not use to install non-porous floor coverings over non-porous surfaces.
- Do not apply over any adhesive residues including cutback adhesive.
- Not for use in areas subject to heavy water infiltration at seams. For these applications use EP 96 Plus adhesive.
- Do not install when the moisture vapour emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when relative humidity of concrete slabs exceeds 80% (ASTM F2170).
- Use only when the substrate temperature is between 10°C and 32°C.

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was, or reasonably should have been, discovered.

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Suitable Substrates

- Exterior-grade plywood, Group 1, CC type
 - Other approved wood underlayments (per manufacturer recommendations)
 - Concrete and properly prepared cement terrazzo
 - Cement-based self-levelling underlayments and patching compounds
 - Embossing levellers applied over existing, properly prepared and fully bonded ceramic tile and fully bonded vinyl composition tile (VCT) - one layer only
 - Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength
 - Radiant-heat systems that have been properly installed
- Consult Erv Parent Technical Services Department for installation recommendations regarding substrates and conditions not listed.

Surface Preparation

- All substrates must be structurally sound, dry, solid and stable.
- Substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion.
- All surfaces must be level, even, flat and smooth.

Mixing

- Ready to use; no mixing necessary
- Note: Choose all appropriate safety equipment before use. Refer to Material Safety Data Sheet (MSDS) for more information.

Product Application

1. Read all installation instructions thoroughly before installation.
2. Select the appropriately notched trowel to achieve backing transfer greater than 90% (see “Approximate Product Coverage” section).
3. Spread adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the subfloor.
4. For working time and flash time, refer to “Application Table.”
5. Install flooring per the flooring manufacturer’s instructions.
6. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

Cleanup

1. Promptly clean any adhesive smudges from the flooring material’s surface with water while the adhesive is still fresh/wet.
2. Clean tools with water while the adhesive is still fresh/wet. Clean with mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.

Technical Data	
Polymer type	Vinyl acrylic
VOC	28 g/L complies with California SCAQMD Rule 1168
pH	7 to 9
Trowel-ability	Light
Consistency	Creamy
Colour	Off-white
Shelf life	2 years when stored in original packaging at 23°C
Storage conditions	4°C to 38°C
Flash point	(ASTM D56) > 100°C
Protect from traffic	24 hours for light traffic, 72 hours for heavy traffic

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

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Application Table


Application Characteristics over Porous Substrate		
	Flash†	Working Time††
Solid rubber sheet or tiles	15 to 30 minutes	1 hour
Solid vinyl sheet or tiles	15 to 30 minutes	1 hour

† Flash is the waiting time required before installing flooring.

†† Working time is the window of time for the adhesive to accept flooring.

Note: Flash time and working times may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

Approximate Product Coverage

Flooring Type	Typical Trowel	Coverage*
rubber and vinyl sheet and tile	1/32" x 1/16" x 1/32" (1.0 x 1.5 x 1.0 mm) 	185 to 245 sq. ft. per U.S. gal. (4.5 to 6.0 m2 per L)

* Trowel dimensions are depth/width/space. Coverages shown are for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.

Refer to Erv Parent MSDS for specific data related to VOC, health and safety, and handling of product.

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