

Fortane™

PRESSURE SENSITIVE ADHESIVE

Technical Data Sheet

Pressure Sensitive Adhesive

Product Description

Fortane PSA is a premium acrylic emulsion designed for the installation of many types of resilient flooring including cushioned – backed resilient flooring, cushion for a double –glue down installation , carpet tiles, vinyl tile and vinyl plank in a releasable application.

Features

- Ready to use: no need to mix
- Ideal for commercial resilient flooring
- Easy to use
- Fast dry
- Low odor
- Long working time
- Good elongation – remain flexible
- VOC compliant
- LEED® Qualified & California Proposition 65 Compliant

Typical Applications

Fortane PSA is recommended **for professional use only** and is ideal for the following Applications:

- Residential or Commercial Applications
- Vinyl Tile, vinyl plank, carpet tile with PVC or non PVC backing, approved cushion in a double glue down installation, cushion –backed sheet flooring
- CUSHION-BACKED VINYL: For a releasable installation apply the adhesive to the substrate using 3/8” short nap roller in a full spread installation (250-350 sf/gal spread rate). Do not apply adhesive in a perimeter installation. Allow the adhesive to set dry with no transfer to the finger, tacky condition before installing sheet vinyl.

Subfloor Preparation

Fortane PSA can be used over all grade levels of concrete in the absence of excessive moisture and alkalinity. Moisture tests are required on all concrete subfloors regardless of grade level if the concrete is freshly poured or is classified as an older slab. Moisture testing should be performed by ASTM F1869 Calcium Chloride Tests with moisture levels not to exceed Five (5) pounds per twenty-four (24) hours per one thousand (1000) square feet, or ASTM F2170 In Situ Relative Humidity Test with readings, not to exceed eighty (80) percent on existing slabs. New Construction Projects or Green slabs can have a Moisture Vapor Emission Rate of up to eight (8) pounds per Twenty-four (24) hours per one thousand (1000) square feet or 90% when tested in accordance with ASTM F-2170. Additional information with regard to these tests and results can be obtained through Fortane’s Technical Service Department.

Installation

1. Refer to all manufacturer’s recommendations prior to installation to determine suitability of all materials to be used, approved substrates, subfloor preparation, etc.
2. Subfloor must be clean, dry, smooth and free of any contamination, which may interfere with the adhesive bond.
3. Where subfloor is extremely porous, adhesive absorption may be in question, therefore it is recommended that the subfloor be primed with an approved acrylic primer.
4. Refer to all floor-covering manufacturer’s recommendations regarding layout, cutting, seaming and maintenance.
5. Spread adhesive using the recommended trowel. Use the dry installation method in the “tile over tile” applications and for situations requiring a releasable installation (carpet tile, double stick).If carpet tiles are installed “wet”, a permanent bond will result.

Chemical and Physical Properties

Moisture Tolerance	Up to 8 lbs or 90% (New Construction installations)
Working Time	30-45 Minutes
VOC	6 g/L
Open Time	65°F-75°F Up to 4 Hours Note: Open times will vary with temperature and humidity.
Application Conditions	Between 60°F and 95°F and below 75% RH
Packaging	4 gallon pail = 35 lb’s
Freeze Thaw	5 cycles @ 20°F
Color	White, Dries Clear
Cure Time	Light foot traffic after 4 hours Moderate/heavy foot traffic after approx. 16- 24 hours
Maintenance	Do Not wet clean floor covering for a minimum of 14 days.
Shelf Life	12 months from date of manufacture; stored at 50-80°F

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- Roll floor covering as per manufacturer's recommendations.
- Do not wet clean floor covering for a minimum of 14 days. This will allow the adhesive to properly cure.
- Once adhesive turns clear, floor covering must be placed within 4 hours MAXIMUM.
- Do not install when ambient relative humidity is above 65%.
- The dimensional stability of some vinyl flooring products is very sensitive to fluctuations in ambient environment conditions. Royal Adhesives & Sealants is not responsible for installation issues caused by dimensional changes in flooring.
- If is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

Recommended Substrates:

- Concrete
- Portland Based Underlayment's
- Properly Prepared Gypsum
- APA Approved Plywood
- Terrazzo
- Fiber Cement Underlayment
- Radiant Heated Sub-floors
- Properly Prepared VCT (Single Layer)
- Properly Prepared Sheet Vinyl (Single Layer, fully adhered)

Restrictions:

- Refer to flooring manufacturer for recommendation
- For Interior installation only.
- Do not install over adhesive residue including cutback.
- Do not install when MVER is over 8 lbs. per 1,000 sf per 24 hours, per ASTM F1869.
- Do not install when relative humidity is over 90%, per ASTM F2170.
- Do not install when ambient temperature is not between 60°F & 95°F.

Clean-Up:

Remove wet adhesive immediately with a damp cloth. Use Mineral Spirits to remove dried adhesive.

CAUTION: Mineral Spirits are flammable. Read and follow all precautions on container label.

Warranty:

Royal Adhesives and Sealants offers a limited warranty for this product when used in accordance with printed specifications. A copy of the limited warranty can be obtained by calling technical service at 800-763-7272.

Trowel Selection:

FLOORING	TROWEL	ESTIMATED SPREAD RATE
Vinyl Sheet or Tile	<p>1/32" = 1/16" x 1/32" x 1/32" U-Notch</p>	250-300 sq. ft./US gallon
Carpet Tile	<p>1/32" = 1/16" x 1/32" x 1/32" U-Notch</p>	250-300 sq. ft./US gallon
Cushion-Backed or Fiber Glassed-Backed Sheet Vinyl	<p>3/8" Short Nap Roller</p>	250-350 sq. ft./US gallon

Customer Service

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