

FortaneTM Vinyl Tile & Plank Adhesive

Technical Data Sheet

Vinyl Tile & Plank Adhesive

Product Description

Fortane Vinyl Tile & Plank Adhesive is a solvent free adhesive Formulated for the installation of dimensionally stable Luxury Vinyl Tile & Vinyl Plank and vinyl backed resilient sheet flooring. This high strength adhesive is designed for installations over porous and non-porous substrates.

FEATURES

- Ready to use: no need to mix
- Ideal for commercial resilient flooring
- Easy to use
- Low odor
- Solvent Free
- Excellent Open Time
- VOC compliant
- LEED[®] Qualified & California Proposition 65 Compliant

Typical Applications

Fortane Vinyl Tile & Plank Adhesive is recommended **for Professional use only** and is ideal for the following Applications:

- Residential or Commercial Applications
- Vinyl Tile & Vinyl Plank
- Vinyl Backed Sheet flooring

Subfloor Preparation

Follow all manufacturer's recommendations and industry standards regarding subfloor preparation. Moisture tests are required on all concrete subfloors regardless of grade level or 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. The pH levels should be between 7-9.

Installation:

Refer to all manufacturer's recommendations and approvals prior to installation. **For Indoor Use Only.** For best results install at 70°F (+/- 5°) and 50% R.H. (+/-5%). Spread adhesive using the recommended trowel (see trowel guide below). When installing over a porous substrate the flooring can be laid into wet or dry adhesive. For a wet lay installation spread the adhesive, wait approximately 10-15 minutes to allow the adhesive to flash off. Laying in wet will allow for movement of the flooring until adhesive has set. When installing tile or vinyl plank it is recommended to let the adhesive dry to the touch before installing. When installing over a non-porous substrate, the adhesive **must** be allowed to dry completely (dry to the touch) before laying flooring (see recommended trowel guide when installing over non porous substrates). The dry time will depend on the temperature & humidity of the environment. Once the flooring is installed roll the whole installation with a 100 lb. three-section roller to assure adhesive has made proper contact with flooring.

Chemical and Physical Properties

Moisture Tolerance	Up to 8 lbs or 90% (New Construction installations)
Working Time	Up to 60 minutes as a wet lay adhesive
VOC	1 g/L
Open Time	65°F-75°F Up to 2 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 = 41 lbs
Freeze Thaw	5 cycles @ 20°F
Color	Tan Paste
Cure Time	Light foot traffic after 8 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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RECOMMENDED SUBSTRATES:

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

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.

RESTRICTIONS:

1. For Interior installations only.
2. Do not install when MVER is over 8 lbs. per 1,000 sf per 24 hours, per ASTM F1869.
3. Do not install when relative humidity is over 85%, per ASTM F2170.
4. Do not install when ambient temperature is not between 60°F & 95°F.
5. Do not install when ambient relative humidity is above 65%.
6. The dimensional stability of some vinyl flooring products is very sensitive to fluctuations in ambient environment conditions. Royal Adhesives and Sealants is not responsible for installation issues caused by dimensional changes in flooring.
7. It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

Trowel Selection:

Floor Type	Trowel (width, depth, space)	Approximate Coverage
Non Porous Substrate	1/16" x 1/16" x 1/16" V-notch	125 – 175 sq. ft./ US gal
Porous Substrate	1/16" x 1/16" x 1/16" sq-notch	125 – 175 sq. ft./ US gal

Customer Service
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