



Fusion Series 5082 Vinyl Tile & Plank Adhesive

FUSION SERIES

DESCRIPTION:

Fusion Series 5082 Vinyl Tile & Plank Adhesive is a solvent free adhesive formulated for the installation of dimensionally stable Luxury Vinyl Tile & Vinyl Plank, VCT, and vinyl backed resilient sheet flooring. This high strength adhesive is designed for installations over porous and non-porous substrates.

Fusion Series 5082 Vinyl Tile & Plank Adhesive, manufactured by Royal Adhesives and Sealants, is LEED compliant and is compliant with South Coast Air Quality Management District Rule 1168.

E.Q. 4.1: Low-Emitting Materials: Adhesives & Sealants

E.Q. 4.3: Low-Emitting Materials: Carpet Systems

M.R. 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally

M.R. 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally

Fusion Series 5082 qualifies for Floor Score Certification and Carpet & Rug Institute's Green Label Plus Program. This is a third party certification with the most stringent VOC regulations in the country. 100% of all raw materials used to manufacture this adhesive are extracted, processed and manufactured regionally.

***LEED points are based on all materials used on a project.**

SUB-FLOOR PREPARATION:

Follow all manufacturer's recommendations and industry standards regarding sub-floor preparation. Moisture tests are required on all concrete sub-floors 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 F2170. Additional information with regard to these tests and results can be obtained through Royal's Technical Service Department. The maximum pH levels should not exceed a reading of 10.

DIRECTIONS:

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.

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)

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 90%, 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.

CLEAN-UP:

Remove wet adhesive immediately with a damp cloth. Use Mineral Spirits or Parabond® M-315 Cleaner to remove dried adhesive. **CAUTION: Mineral Spirits are flammable. Read and follow all precautions on container label.**

PACKAGING:

- One 4 Gallon Pail
- Four x 1 Gallon Case



863 SE Main Street • Simpsonville, SC 29681
Phone: 1-800-763-7272 • ISO 9001 Certified

www.parabond.com

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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 or visiting www.parabond.com.

FLOORING	TROWEL	ESTIMATED SPREAD RATE
Non Porous Substrate	<p>1/16" x 1/16" x 1/16" V</p>	125-175 sf/gallon or 20-23 sq/yards per gallon
Porous Substrate	<p>1/16" x 1/16" x 1/16" SQ</p>	125-175 sf/gallon or 20-23 sq/yards per gallon

FUSION SERIES

Technical Data	
Base Polymer	Acrylic Polymer
Color	Light Straw
Solids	70-75%
VOC Content	<1 gram per liter
pH	7.5
Consistency	Paste
Trowelability	Light, Easy
Shelf Life	One Year in Unopened Container
Storage	40°-95°F
Application Temperature	65°-95°F (18°-35°C)
Traffic Restrictions	Foot Traffic after 12 hours, Heavy Traffic after 24
Open Time	Up to 2 hours (non-porous substrate)
Freeze Thaw Stability	5 cycles @ 20°F



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