



Fusion Series 4700 Rubber Tile & Stair Tread Adhesive

FUSION SERIES

DESCRIPTION:

Fusion Series 4700 Rubber Tile and Stair Tread Adhesive is a solvent-free, latex rich adhesive formulated to provide an exceptional bond when installing rubber or vinyl stair tread, radial tile or rubber sheet flooring over porous and non-porous surfaces free of moisture. 4700 is also designed to permanently install dimensionally stable vinyl backed resilient sheet goods, homogenous commercial grade PVC sheet flooring, PVC backed carpet, PVC backed carpet tiles, PVC sheet vinyl (vinyl backed), vinyl tile, vinyl plank, linoleum, and linoleum tile.

Fusion Series 4700 Rubber Tile and Stair Tread 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 4700 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 F-2170. 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 9.

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%).

1. All surfaces must be clean, dry, free of dust, grease, paints, oils, curing compounds, sealers, or any other foreign material which may interfere with proper adhesion. Cracks and uneven surfaces must be filled with a cementitious patching compound.

Radial Tile, Rubber and Vinyl Stair Treads

2. Porous surfaces require the use of a 1/16" x 1/16" x 1/16" square notch trowel for the installation of radial tile, rubber and vinyl stair treads with gauges of 0.115 or greater. For radial tile and treads with gauges of 0.114 or less a 1/16" x 1/16" x 1/16" V-notch trowel should be used. Once troweled the adhesive should be allowed to remain open for approximately 5-10 minutes before placement of the stair tread or flooring material. Once placed the installed product should be rolled as quickly as possible using a 100 pound 3 section roller. Stair treads and nosings should be rolled with a steel hand roller.
3. For non-porous applications a 1/16" x 1/16" x 1/16" V-notch trowel should be used. The adhesive should be allowed to dry to the touch so that there is little or no transfer of adhesive to the finger. Once the adhesive reaches the dry touch state it is ready to accept flooring. Rolling with a 100 pound 3-section roller should take place immediately after the flooring material has been placed into the adhesive. The time from when the adhesive is allowed to dry to the touch to the time it must be covered is approximately 45 minutes. If the adhesive is allowed to remain uncovered after initial drying to the touch for periods longer than the recommended 45 minutes, a loss of adhesion may result. Care should be taken by the installer not to spread more adhesive than can be worked within the 45-minute period.

Rubber Sheet Flooring

4. When installing rubber sheet flooring over a porous surface, use a 1/16" x 1/16" x 1/16"



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square notch trowel. Trowel adhesive onto the substrate and allow it to remain open for 5-10 minutes. Position flooring into adhesive and roll the entire area in both directions with a 75-100 pound 3 section roller as quickly as possible once the flooring has been positioned.

5. For non-porous surfaces a 1/16" x 1/16" x 1/16" V-notch trowel is recommended. Allow adhesive to dry to the touch so that little or no transfer takes place. Install flooring within 45 minutes and roll immediately with a 75-100 pound roller.

NOTE: For stair tread application (gauge 0.125 or heavier), a 1/8" x 1/8" x 1/16" V-notch trowel may be used on porous applications. As previously instructed, the adhesive should remain open for 5-10 minutes prior to placement of the tread. Once placed, roll tread with appropriate hand roller.

CAUTION: Do not allow adhesive to remain uncovered after the initial drying period as a loss of adhesion strength will occur. Do not spread more adhesive than can be worked within the 45 minute time frame.

RECOMMENDED SUBSTRATES:

- Concrete
- Portland Based Underlayments
- 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:

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 F 2170.
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%.

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

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.



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FLOORING	TROWEL	ESTIMATED SPREAD RATE
Non Porous Substrate		125-175 sf/gallon or 13-20 sq/yards per gallon
Porous Substrate		125-175 sf/gallon or 13-20 sq/yards per gallon

Technical Data	
Base Polymer	Acrylic Polymer
Color	White
Solids	70-75%
VOC Content	<10 gram per liter
pH	8.25
Consistency	Thick 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	30-45 minutes Depending on ambient conditions
Freeze Thaw Stability	5 cycles @ 20°F



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