


**PARABOND®**

# Fusion Series 4500

## Clear Thin Spread Adhesive

# Fusion Series

### DESCRIPTION:

Fusion Series 4500 Clear Thin Spread VCT Adhesive is a solvent-free adhesive designed for the installation of Vinyl Composition Tile. 4500 provides quick dry times and extended working time with up to 16 hours of aggressive tack.

Fusion Series 4500 Clear Thin Spread VCT Adhesive, is LEED compliant and is compliant with South Coast Air Quality Management District Rule 1168.

Fusion Series 4500 qualifies for the 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.

### SUBSTRATE PREPARATION:

Follow flooring manufacturer's guidelines for allowable levels of concrete moisture content. Moisture tests are recommended on concrete subfloors. Concrete substrate must be cured at least 28 days, prepared in accordance with ASTM F710, and have a maximum pH not exceeding 12. All concrete slabs must have an intact vapor barrier per ASTM E1745.

### 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. Floor must be clean, dry and free from paint, dust or concrete curing compounds, etc.
2. Cracks and uneven surfaces must be filled with an approved cementitious underlayment compounds such as Parabond® Micro Finish or PP-Plus.
3. Adhesive and floor must be 65°F or higher.
4. Apply adhesive to the floor with the approved notched trowel in a thin uniform coat.
5. Allow adhesive to dry until it loses its milky appearance and does not transfer to finger when touched. This will take thirty minutes to one hour, depending on temperature and humidity. When dry, the adhesive is tacky.
6. Tile may be installed once adhesive has dried and becomes tacky. Tile can be safely installed up to 16 hours later. Dry time and working time can be greatly affected by ambient temperature, humidity, porosity and other job-site conditions.
7. Install tile, carefully positioning material since tile will be difficult to slide once placed in adhesive. Rolling with a 50-100 lb. 3 section floor roller will help achieve better initial adhesion.
8. Remove any excess adhesive from tile with fine steel wool and soapy water. Tools may be cleaned with Mineral Spirits or Parabond® M-315.
9. Keep container tightly covered when not in use.

**4500 can be used over old cutback adhesive residue. Residue being defined as no trowel ridges and smooth to the touch.**

### RECOMMENDED SUBSTRATES:

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

### RESTRICTIONS:

1. Do not use to install any vinyl or PVC flooring.
2. For interior installations only.
3. Do not install when MVER is over 8 lbs. per 1,000 sf per 24 hours, per ASTM F1869.
4. Do not install when relative humidity is over 90%, per ASTM F2170.
5. Do not install when ambient temperature is not between 60°F & 95°F.
6. Do not install when ambient relative humidity is above 65%.
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:

- 4 Gallon (15.14 L) Pail

### LIMITED WARRANTY:

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. H.B. Fuller Construction Products disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product. For Limited Warranty details visit [parabond.com](http://parabond.com). To obtain a hard copy of the Limited Warranty call H.B. Fuller Construction Products at 800-832-9023 or mail a written request to the address in the bottom of this Product Data Sheet.



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FLOORING	TROWEL	ESTIMATED SPREAD RATE
Non Porous Substrate	<p>U-Notch</p>	200-300 sf/gallon
Porous Substrate	<p>Square-Notch</p>	125-175 sf/gallon

Technical Data	
Base Polymer	Acrylic Polymer
Color	Light Straw
Solids	55-65%
VOC Content	<1 gram per liter
pH	9.5-10
Consistency	Creamy 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	Immediate foot traffic, 24 hours heavy loads
Dry Time	30-45 minutes depending on ambient conditions
Working Time	Up to 16 Hours ( <u>depending on ambient temperature, humidity, porosity of substrate and other jobsite conditions</u> )
Freeze Thaw Stability	5 cycles @ 0°F
Cleaning	After 7 Days



**H.B. Fuller**

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