



# 4323

## NON-STAINING SHEET GOODS ADHESIVE



### ENVIRONMENTAL/PERFORMANCE:

- Solvent-Free – VOC Compliant
- Excellent Open Time
- MICROBAN<sup>®</sup> Antimicrobial protection
- Non Hazardous – Non Flammable
- CRI Green Label Plus Certified
- Low Odor / Odorless When Dry

### DESCRIPTION:

Fusion Series 4323 Non-Staining Sheet Goods Adhesive is a latex based adhesive that has been specially formulated for the installation of mineral fibrous felt-backed floor covering. 4323 dries light in color and will not create any adhesive induced (below the surface) discoloration.

4323 meets all flammability requirements for a Class A Flame Spread Rating as per ASTM E-84.

### SUB-FLOOR PREPARATION:

Follow all manufactures recommendations and industry standards regarding sub-floor preparation.

We require that moisture tests be performed on all concrete sub-floors regardless of grade level or whether or not 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 three (3) 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 seventy-five (75) percent. Additional information with regard to these tests and results can be obtained through Para-Chem's Technical Service Department.

**Additional information with regard to sub-floor installation and requirements can be found in ASTM F-710 or CRI 104-105.**

Sub floors must be firm, smooth, clean, dry and free of all contamination and foreign material. Remove wax, dressings, or varnishes from existing flooring or recommended substrates.

**NOTE: Condition all floor covering adhesives, etc for 24 hours prior to installation. For best results, install floor covering at 70°F, 50% relative humidity.**

### DIRECTIONS:

1. Follow floor covering manufacturer's recommendations regarding layout, cutting, seaming and maintenance.
2. Spread adhesive with the appropriate notched trowel leaving ridges of sufficient height to establish complete contact with back of floor covering. Trowel sizes vary with sub-floor porosity, floor covering backing and open time requirements.
3. Place floor covering into wet adhesive and roll in both directions with a minimum 75 lb. roller.
4. Lift floor covering periodically to check adhesive transfer to the backing. A 100% adhesives transfer is required to promote maximum adhesion.

**CLEAN-UP:**

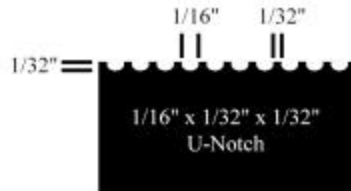
Fresh adhesive can be removed immediately with a damp cloth. If adhesive has dried, use waterless hand cleaner, Mineral Spirits, or M-315 Cleaner. Do not allow solvent to penetrate seams. Solvent will dissolve adhesive bond.

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

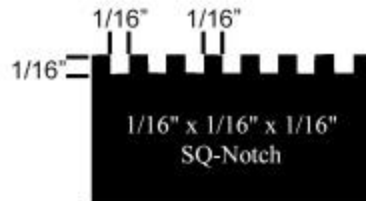
**COVERAGE AND TROWEL RECOMMENDATION:**

150-250 sq. ft. per gallon depending on application.

1/16" x 1/32" x 1/32" U-notch for sheet vinyl  $\leq 0.080$ "



1/16"x1/16"x1/16" Sq notch for sheet vinyl  $> 0.080$ "

**PHYSICAL PROPERTIES:**

Weight/gallon (lbs.)	9.3
Freeze Thaw	5 cycles @ 0°F
Shelf Life	One Year at 70°F in un-opened container

**CALIFORNIA VOC (Volatile Organic Compound) COMPLIANCE:**

Solvent Free Product.

SCAQMD Rule 1168: VOC compliant.

SCAQMD Rule 443.1: Grams of VOC per Liter of Material < 15 grams/liter.

Grams of VOC per Liter of Coating < 26 grams/liter.

**FOR MORE INFORMATION READ MATERIAL SAFETY DATA SHEET**

**KEEP OUT OF REACH OF CHILDREN**

**WARNING!!**

Various Federal, State and Local Government agencies have regulations governing the removal of in-place asbestos-containing material. If you contemplate the removal of a resilient floor covering structure that contains (or is presumed to contain) asbestos, you must review and comply with all applicable regulations.

Follow the RFCI's Recommended Work Practices for Removal of Resilient Floor Coverings.

RFCI, 401 East Jefferson St., Suite 102, Rockville, MD 20850 – phone 301-340-8580

### **FIVE YEAR NO NONSENSE WARRANTY, GOOD AS GOLD**

4323 is warranted against cohesive failure (loss of bond) and formulated so as not to discolor or cause adhesive – induced staining in today's felt or vinyl backed sheet flooring and/or vinyl composition floor tile for five years from the date of installation if flooring is professionally installed according to manufacturer's guidelines, CRI-104, 105 ASTM F-710 and RFCI suggested practices. This limited warranty covers materials and reasonable labor costs for five years (materials meaning same type and grade if available). If unavailable or discontinued, Para-Chem reserves the right to pay dollar amount of initial purchase.

#### **CONSEQUENTIAL / INCIDENTAL DAMAGE EXCLUSION**

Para-Chem excludes and will not pay consequential or incidental damages under this limited warranty. By this we mean any loss, expense or damage other than to flooring itself that may result from a defect in the adhesive itself. The warranty against cohesive failure, staining or discoloration are the exclusive warranties offered by Para-Chem. All other warranties, including the warranties of merchantability and fitness for a specific purpose, are specifically disclaimed and there are no other warranties regarding these products, express or implied.

# MATERIAL SAFETY DATA SHEET

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*Para-Chem<sup>®</sup>, PO Box 127, Simpsonville, SC 29681*

*24-Hour Emergency Telephone: (864) 967-7691*

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## SECTION 1. PRODUCT IDENTIFICATION

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PRODUCT NAME: Fusion Series 4323 Non-Staining Sheet Goods Adhesive

CHEMICAL FAMILY: Water Base Adhesive

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## SECTION 2. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

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<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
None				

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## SECTION 3. HAZARDS IDENTIFICATION

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PRIMARY ROUTES OF ENTRY: Eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: May cause slight irritation.

SKIN CONTACT: May cause slight irritation.

INGESTION: No side effects known.

INHALATION: No effects known.

CHRONIC: None known.

CARCINOGENICITY: This product contains no carcinogen above the OSHA minimum reporting threshold listed by IARC, NTP, or OSHA.

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## SECTION 4. FIRST AID MEASURES

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EYE CONTACT: Flush with water for 15 minutes. Contact a physician if irritation occurs.

SKIN CONTACT: Wash with soap and water.

INGESTION: Do not induce vomiting. Contact a physician.

INHALATION: Remove to fresh air.

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## SECTION 5. FIRE-FIGHTING MEASURES

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FLASH POINT (°)F: None.

LOWER FLAMMABLE LIMIT: None.

UPPER FLAMMABLE LIMIT: None.

FIRE-FIGHTING INSTRUCTIONS: Use protective clothing and self-contained breathing apparatus.

EXTINGUISHING MEDIA: Water fog, CO<sub>2</sub>, dry chemical, and chemical foam.

DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub>, NO<sub>x</sub>, and hydrocarbons.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Collect material for reuse where possible. Otherwise, place spill material in secure disposal container and dispense and absorb residue on sand, sawdust, or vermiculite. Collect and place in waste container. Wash area thoroughly with water.

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## SECTION 7. HANDLING AND STORAGE

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HANDLING: Use good hygienic practices. (Wash hands before eating, using washroom, or smoking.) Keep out of the reach of children.

STORAGE: Store above 40° F. Freeze-thaw stable up to five cycles at 20° F.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Safety glasses or chemical splash goggles.

SKIN PROTECTION: Impermeable rubber gloves.

RESPIRATORY PROTECTION: Not normally required with good ventilation.

ENGINEERING CONTROLS: Normal room ventilation. Open doors and windows, use floor and ceiling fans to ventilate work area during installation,

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT (°F): 212

SPECIFIC GRAVITY (WATER = 1): 1.12

VAPOR PRESSURE: Same as water.

VAPOR DENSITY(air=1): Same as water.

% VOLATILE BY WEIGHT: 43

pH: 9.3

APPEARANCE AND ODOR: Light straw colored paste with mild odor.

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## SECTION 10. STABILITY AND REACTIVITY

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CHEMICAL STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

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## SECTION 11. TOXICOLOGICAL INFORMATION

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No information available.

