

LEES SQUARED PRESSURE SENSITIVE CARPET ADHESIVE

Lees Squared Pressure Sensitive Adhesive (PSA) is engineered specifically for use with Lees Integrated Cushion Thermobond (ICT) carpet tiles and 6-foot roll goods. Lees PSA is solvent free and Green Label Certified by the Carpet and Rug Institute. It permits the repeated lifting and re-tacking of carpet for access to the floor without damage to the carpet or adhesive. When the carpet is lifted for access to the floor, tiles will release for easy removal and can be pressed back into place without losing adhesive shear strength.

Packaging:	Four gallon pail with pour spout
Spread Rate:	Approximately 35 yards per gallon
Color:	Wet - Milky; Dry – Clear, with blue tint
Consistency:	Creamy
Freeze/Thaw:	Stable to 10° F
Shelf Life:	One year in an unopened container
Set-Up Time:	30 minutes (varies with temperature and humidity)
Moisture Tolerance:	Up to 3 pounds per 1,000 square feet per 24 hours
Alkalinity Tolerance:	Acceptable pH range between 5 and 9

Product Details

- Premium Acrylic Latex adhesive
- Over 60% solids
- Contains no solvents, formaldehyde, or other hazardous ingredients
- Designed to offer a balance of high shear and high tack properties
- Designed to keep carpet tiles from sliding and moving
- Tiles will come up easily, with the adhesive splitting, leaving adhesive both on the backing of the carpet and on the subfloor
- Contains no fillers, plasticizer, or other additives that could reduce plasticizer resistance

Advantages

- Protected by the Lees lifetime product warranty
- Anti-microbial protection
- Contains no solvents, formaldehyde, or other hazardous ingredients
- Resistant to vinyl plasticizer migration
- Has good rebonding characteristics, easy to apply with a roller, and gives good coverage
- May be installed on concrete above, on, or below grade in the absence of moisture and alkali; metal, plywood, underlayment grade hardboard, and association grade particle board underlayment
- For a releasable installation, allow the adhesive to tack up (about 30 minutes); for a more aggressive installation, Lees recommends the use of our Self-Lock carpet tiles in conjunction with the Pressure Sensitive Adhesive

Installation

- Apply the adhesive with a heavy-duty frame paint roller with **1-inch nap** on a plastic core. (The quality of the roller frame will greatly affect the adhesive coverage.)
- The amount of adhesive applied to the subfloor is important. Before beginning installation, mark off a small area of the subfloor and determine the adhesive spread rate. This will allow you to determine the proper coverage level and amount of pressure to apply to the roller during installation.
- On smooth surfaces, be careful not to apply too little adhesive. Just because a surface is smooth and/or sealed, it still requires a proper coating of adhesive. **A smooth surface should have the same spread rate (35 yards/gallon) as a semi-smooth or rough surface.** The installer must gauge the adhesive spread rate.

CAUTION!

IF YOUR SPREAD RATE IS HIGHER THAN 35 YARDS PER GALLON, YOU ARE NOT APPLYING ENOUGH ADHESIVE TO THE SUBFLOOR.

- The floor and room temperature should be between 65° and 95° F and the humidity should be between 10% and 65% for 24 hours prior to and during the installation. Modules must be conditioned for at least 48 hours at a minimum temperature of 65° F.
- **Conduct a moisture test.** Moisture in the subfloor will interfere with the curing and performance of the adhesive. The *calcium chloride* test is the only acceptable test. A reading of 3 pounds per 1,000 square feet per 24 hours is the maximum acceptable reading for Lees Squared Pressure Sensitive Adhesive. Use two coats of Lees Everseal for moisture readings between 3 and 5 pounds.

NOTE: Installations using pressure sensitive adhesives, tape systems, or any of Lees' other adhesive systems can be protected up to 8 pounds of moisture when using Lees Everseal. However, Lees Technical Service must be consulted if the moisture reading is above 5 pounds for these types of installations. Lees will assist the contractor in determining the best application method based on site conditions.

- Test the alkalinity level of the concrete using a Litmus test. If the pH level is above 9, mop the floor with eight ounces of vinegar to one gallon of water to remove any alkalinity on the surface of the slab. Allow this solution to dry completely, then use Lees Everseal.
- Check the floor's porosity by pouring a cup of water on the floor. If the water beads on the surface, it indicates the floor is non-porous. However, if the water is absorbed rapidly, the floor is very porous. **For a porous surface, seal the subfloor with one coat of Lees Everseal before installation.**
- Remove all foreign matter from the floor, such as grease, paint, coatings, wax, dust, or old adhesives, or seal the floor with Lees Everseal. Neglecting to remove or seal old adhesives or other floor coatings may result in installation failure. Latex adhesives must be removed and sanded smooth or sealed with Lees Everseal. Cut back or black solvent-based adhesives must be totally removed, covered with vinyl composition tile, or sealed with Lees Sure Seal cut-back sealer.
- The floor should be sound and level. Level all holes, cracks, protrusions, and depressions of greater than 1/16-inch with a Portland or cement-based patching compound. **Any trowel marks from old adhesives must be sanded smooth or enough sealer must be applied to fill the trowel marks, creating a level surface.**

- For installation over Gypcrete patches, Lees recommends using Everseal to eliminate any dust that may interfere with adhesion. It is the contractor's responsibility to determine that the patch is adhered firmly enough to the substrate to install the adhesive.
- For installation over vinyl and resilient flooring, remove floor finishes, such as wax, by sanding. Be sure that all tiles are well adhered; remove any loose tiles. When installing over VCT or VAT, fill or replace damaged tiles, re-glue loose tiles, remove any wax or other floor finishes, then seal the floor with Lees Everseal.

NOTE: Never sand any product that is suspected of containing asbestos, like VAT tile.

- For wood floors, the finish must be well adhered. Remove any wax or other floor finishes.
- For ceramic tile, marble, and terrazzo floors, fill and level all grout lines.
- Roll carpet with a 75-pound roller upon completion of installation.

Warranty

Lees Squared Pressure Sensitive Adhesive is guaranteed for the life of the floor covering. Lees Squared Pressure Sensitive Adhesive must be used with Lees ICT Modular Carpet Tiles or Lees ICT 6-Foot Carpets for the warranty on the carpet to be valid. Lees Squared Pressure Sensitive Adhesive is only warranted when used with Lees carpet products. The manufacturer agrees to replace or, at its option, refund the purchase price of any adhesive supplied by the manufacturer that proves to be defective, provided a claim is made in writing to the manufacturer within 30 days from the date the defect was or reasonably should have been discovered. The manufacturer is not responsible for damages caused by the improper use of this adhesive or failure to comply with the instructions accompanying this product.

For this warranty to apply, documentation of temperature and humidity at the time of application must be sent to Lees Technical Services. Calcium chloride test results must also be sent to Lees Technical Services, along with the size of the installation and the amount of adhesive purchased, either through a copy of the invoice from Lees Customer Service or documentation from the Lees authorized dealer where the Everseal was purchased. Send documentation to: Lees Technical Service, Attn: PSA Warranty, 65 East Ferguson Avenue, Wood River, IL 62095.

This product is not photochemical reactive as defined by California rules 102 and 443. VOC's emission levels are below those established by the California SCAQMD rule 1168.

LEES SQUARED PRESSURE SENSITIVE ADHESIVE
MATERIAL SAFETY DATA SHEET FOR FLOOR COVERING ADHESIVES
DATE OF PREPARATION: 08-20-02

SECTION I

Manufactured for: Lees Squared * 3330 W. Friendly Avenue * Greensboro, NC 27420
Emergency Telephone No.: 336-379-2000. Chemtrec: 1-800-424-9300.
Product Class: Water Emulsion Latex Adhesive. Manufacturer Codes: Pressure Sensitive Adhesive.
Trade Name: Lees Squared Pressure Sensitive Adhesive.

SECTION II - HAZARDOUS INGREDIENTS

Under the current OSHA criteria, this product is not considered hazardous.
Non-Hazardous Ingredients: 100%.

SECTION III - PHYSICAL DATA

Vapor Density: Heavier than air. Boiling Range: 212° F. Percent Volatility by Volume: 40% - 60%.
Weight/Gallon: 9 lbs. Appearance and Odor: Creamy Blue Latex. Solubility in Water: Soluble.
Specific Gravity: 1.10. V.O.C.: "0" grams per liter (calculated). Evaporation Rate: Same as water.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT Category: Non-flammable. Flash Point: None. LEL: N.D. OSHA: None.
Unusual Fire and Explosion Hazards: None.
Extinguishing Media: For dry adhesive, use water fox, chemical foam, or carbon dioxide.
Special Fire Fighting Procedures: If dried adhesive ignites, use dry chemical or foam extinguishes or a fog nozzle.
For small fires, carbon dioxide extinguishers can be used. Use an air mask when combating dried adhesive fires.

SECTION V - HEALTH HAZARD DATA

Permissible Exposure Level: Not established. Threshold Limit Value: Not established.
Effects of Exposure - Wet: Mild dermatitis on contact with skin. Dry: None. Acute: None known. Target Organs: None known.
First Aid - Eyes: Flush eyes with ample water and seek medical advice. Skin: Wash skin with soap and water.
Ingestion: Small ingested amounts are not believed to produce adverse health effects. Larger amounts (at least several ounces) should be removed from the stomach by inducing vomiting or aspiration. No adverse health effects are anticipated. Call a physician.

SECTION VI - REACTIVITY DATA

Hazardous Polymerization: Cannot occur. Stability: Stable. Incompatibility: None known.
Hazardous Decomposition Products: Normal. Conditions to Avoid: Excessive heat or cold.

SECTION VII - SPILL OR LEAK PROCEDURES

Spill: Scoop up excess with shovel, wash remainder with water. Waste Disposal Method: Landfill or incinerate as per local and state regulations. Ventilation: Local Ventilation. Protective Gloves: Recommended. Eye Protection: Recommended. Hygienic Protection: Wash with soap and water after exposure. Respiratory Protection: Not required.

SECTION VIII - SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage and Handling: Store in a cool, dry place. Optimum Temperature: 70° F.
Other Precautions: Keep from freezing. Keep sealed when not in use. D.O.T. Hazard Class: Unregulated.

HEALTH RATING: HEALTH - 1 FIRE - 0 FLAMMABILITY - 0