

## **SOURCE Company E-900**

### ***CLEAR THIN SPREAD VCT ADHESIVE***

Source E-900 is a premium, professional adhesive that dries quickly and has a long lasting grab for the installation of vinyl composition tile (VCT) and vinyl asphalt tile. This latex-resin adhesive dries to a transparent film allowing lay-out lines to remain visible. Source E-900 is “installer friendly” and “solvent free.” Source E-900 spreads easily, has an extended working time, is outstandingly water resistant, and nonflammable. This adhesive can be used over smooth, flat, and structurally sound sub-floors including concrete slabs (above, on, or below grade) and suspended wood sub-floors covered by an acceptable underlayment. Like all of our adhesives, this adhesive is protected by a two-stage antimicrobial. The antimicrobial is a specifically formulated broad-spectrum, anti-microbial agent that protects our adhesives and sealers from microorganisms, such as mold or mildew, in both the wet and dry state.

All sub-floors must be flat and structurally sound. The sub-floor should be flat within 3/16” in 10’ or 1/8” in 6’. All paint, varnish, oil, wax, finishes and any other bond inhibiting substances must be removed. Smooth or glazed surfaces must be abraded. Repair all joints and cracks with latex-based portland cement underlayment. Concrete sub-floors must be properly prepared according to the recommended practices detailed in the document ASTM F-710-11. Concrete slabs on or below grade must have a functioning vapor retarder. This vapor retarder must be directly between the slab and the capillary break. The sub-floor must have a maximum moisture emission rate of 5lbs/1000 sq.ft./24 hours [ASTM F1869-10], a pH of 7.0- 9.0 [ASTM F710-11], and maximum *in situ* RH of 85% [ASTM F2170-09]. Never sand existing resilient flooring that could contain asbestos. Follow all Federal, State and Local regulations relating to the removal of in-place, asbestos containing material. Very porous sub-floors must be primed with AAT-570 Acrylic Primer.

- Concrete above, on or below grade
- APA rated plywood underlayment
- Properly prepared gypsum cement

**NOTE:** Particleboard and OSB are **not** recommended underlayments. Strip or plank wood flooring, particleboard and OSB sub-floors should be covered with an approved plywood underlayment (minimum thickness of 1/4”). Before beginning installations with flooring types or over sub-floors not listed contact The Source Company for recommendations. While some Luan plywood panels are widely marketed as “underlayments”, there are a variety of qualities and species sold as such. Some varieties present severe problems when used as underlayments. Frequent problems noted are discoloration, indentation, bond failure, and underlayment delamination. The Source Company will not warrant the adhesive when applied over Luan plywood. Regulations may require that existing flooring material or coatings be tested to determine the asbestos content. Refer to the instructions for removal and handling of resilient flooring published by the RFCI in the publication, *Recommended Work Practices for Removal of Resilient Floor Coverings*. The Resilient Floor Covering Institute may be reached thru their Website [www.rfci.org](http://www.rfci.org) or by calling 301-340-8580.

Typical Trowels and approximate coverage (depth x width x spacing):

Over porous sub-floors: 1/32” x 1/16” x 1/32” U or □ notch trowel: 180-250 sq ft/gal and over non-porous sub-floors: 1/32” x 1/32” x 1/32” □ notch trowel: 300-350 sq ft/gal.

**Installation Recommendations:** The building should be completely enclosed. All outside doors and windows should be properly installed with latching mechanisms in place. Adequate ventilation should be available. The HVAC system for the building should be operational and provide a consistent temperature of 65-75°F (air and sub-floor) and humidity levels should be between 35-55% for a minimum of 72 hours prior to the installation. These conditions must be maintained to ensure the long term success and performance of the installation.

1. Flooring and adhesive should be acclimated to the job site conditions for a minimum of 24 hours prior to the installation.
2. Be familiar with the recommendations and any special instructions from the flooring manufacturer before beginning the installation.
3. Refer to the information above for specific information regarding sub-floor preparation and site conditions.
4. When installing VCT and asphalt tile spread the Source E-900 with the appropriate trowel and allow the adhesive to dry to a clear, tacky state. Place the tile into the dry, pressure sensitive adhesive.
5. Roll the installed VCT with a 75-100lb, three-section roller. Rolling should take place immediately after the flooring is placed into the adhesive.
6. It is recommended to minimize traffic over the newly installed flooring for at least 24 hours after the installation has been completed. Do not wash or clean the floor for five days after completion of the installation. To replace furniture and appliances use plywood panels to protect the flooring.

**Specific Technical Data:**

- A. Base: SBR emulsion
- B. Color: light tan
- C. Clean-up: Remove wet adhesive with water and mild soap solution. Use Safety Solvent to remove dried adhesive. Dried adhesive may be more difficult to remove; therefore, take care to remove adhesive from the surface of the flooring before it dries. DO NOT apply the solvent directly to the flooring material.
- D. Packaging: 4 gallon pails
- E. Shelf-Life: One year from date of manufacture in un-opened container when stored at 70°F.
- F. Freeze-Thaw Stable to 15°F. Stability and spread-ability can be affected if allowed to freeze. Frozen material should be allowed to thaw at room temperature. DO NOT agitate or stir while frozen.
- G. VOCs: 0 g/l (Calculated per Ca. Rule 1168)
- H. Not recommended for exterior installations.

**NOTE:** We recommend installers follow the guidelines set forth in the flooring manufacturer's specific recommendations. Before placing the flooring, the adhesive must be allowed an open or dwell time appropriate for the flooring product, jobsite and sub-floor conditions. E-900 has an extended working time up to 24 hours after the initial drying if the area is kept dust free. It is extremely important to maintain recommended notch depth, width and spacing. The proper notch depth is that which will produce adhesive ridges that affect a 100% transfer to both the substrate and the backing of the flooring to include the inner recesses of the texture of the back.