

SILPRO

CTS CLEAR THIN SPREAD™

Excellent Bond
Solvent Free

SILPRO, LLC / 2 NEW ENGLAND WAY / AYER, MA 01432-1514 / 800-343-1501 / 978-772-4444 / FAX 978-772-7456 / WWW.SILPRO.COM

SILPRO CTS™ is a premium, adhesive that dries quickly and is easy to work with for the installation of vinyl composition tile (VCT), asphalt tile, and **SILPRO** approved carpet cushions (urethanes, synthetic fiber, rubber sponge). This acrylic enhanced adhesive dries to a transparent film allowing lay-out lines to remain visible.

CTS™ spreads easily, has a long working time, is water resistant, and nonflammable. This adhesive is protected by an anti-microbial agent that protects our adhesives from microorganisms, such as mold or mildew, in both the wet and dry state.

USE CTS™ FOR

CTS™ is recommended for use with the following:

- Vinyl Composition Tile (VCT)
- Asphalt Tile
- Urethane Carpet Cushion
- Synthetic Fiber Carpet Cushion
- Rubber Sponge Carpet Cushion

TECHNICAL DATA

Base: Acrylic enhanced SBR emulsion

Color: Light tan

VOCs: 0 g/l (Calculated per Ca. Rule 1168)

SURFACE PREPARATION

CTS™ 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. 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 **SILPRO** floor preparation materials. Concrete sub-floors must be properly prepared according to the recommended practices detailed in the document ASTM F-710. Concrete slabs on or below grade must be protected from ground moisture with a functioning and intact Class A vapor retarder that conforms to the requirements of ASTM E1745. This vapor retarder must be directly beneath, and in contact with, the slab. The sub-floor's maximum moisture emission rate cannot exceed 8lbs/1000 sq.ft./24 hours and have a maximum in situ RH of 95%. Moisture testing must be performed in accordance with ASTM F1869 and ASTM F2170, respectively.

SURFACE PREPARATION CONTINUED

Slabs poured on metal decks and above grade structural concrete floors must also meet these requirements. The pH of all sub-floors should be between 7.0- 9.0 [ASTM F710].

Utilize **SILPRO VAPOR HALT™ 125** epoxy moisture mitigation system where necessary. 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 a compatible 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 and cushion types or over sub-floors not listed contact **SILPRO** Technical Services 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.

SILPRO will not warrant the adhesive when applied over Luan plywood. **CTS™** cannot be used if adhesive removers, solvent or chemical cleaners have been used.

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 or by calling 301-340-8580.

For Customer Service, Call Silpro at 1-800-343-1501

APPLICATION

The building should be completely enclosed. Adequate ventilation should be available. The HVAC system for the building should be operational and provide a consistent temperature of 65-85°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. When installing VCT and asphalt tile spread the CTS™ with the appropriate trowel and allow the adhesive to dry to a clear, tacky state. Place the tile into the dry, pressure sensitive adhesive.
3. For use with carpet cushion, spread the adhesive with the appropriate trowel and allow it to develop tack. DO NOT allow the adhesive to “skin-over” or dry. Place the cushion into the “wet-tacky” adhesive while the adhesive is still wet enough to transfer to the back of the flooring.
4. Roll the installed VCT with a 75-100lb, three-section roller. Rolling should take place immediately after the flooring is placed into the adhesive.
5. 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.

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. CTS™ has an extended working time up to 24 hours after the initial drying if the area is kept dust free. 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.

LIMITATIONS

- 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
- CTS™ should not be used for exterior installations.

PACKAGING

4 Gallon Pail (15.14 Litres)

APPROXIMATE COVERAGE

Typical trowels and approximate coverage’s:
(width x depth x space)

VCT, Asphalt tile 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.

Carpet cushions:

1/16” x 1/16” x 1/16” ⊙ notch trowel: 125-150 sq ft/gal.

SHELF LIFE

One year from date of manufacture in an un-opened container when stored at 70°F.

GUARANTEE

Please call Silpro LLC for copy of guarantee.

CAUTION!

SILPRO offers products that may contain cement, latex, epoxy, and other chemicals. Please review the Safety Data Sheet before the use of this product.

The logo for Silpro, featuring the word "SILPRO" in a bold, black, sans-serif font. The letters are slightly shadowed, giving it a three-dimensional appearance as if it's sitting on a surface.