

## Adhesive

| Adhesive  |               |                   |                       |
|---|---------------|-------------------|-----------------------|
| FRANKLIN 670 - Permanent Bond<br>Coverage: 150 Sq.Ft. per Gallon  | 1 Gallon Pail | 11.25 lbs. p/pail | 30 Pails p/Pallet     |
|   | 4 Gallon Pail | 44 lbs. p/pail    | 36 Pails p/Pallet     |
| Spread with 1/16" D x 1/16" W x 1/16" Square Notch Trowel         |               |                   | 150 Sq.Ft. per Gallon |
| <b>CLEAN TROWEL WITH WATER OFTEN TO PREVENT ADHESIVE BUILD-UP</b> |               |                   |                       |
| SILENCER QUICKLAY - Spray Adhesive<br>Coverage: 150 - 185 Sq.Ft.  | 22 Oz. Can    | 1.833 lbs. p/can  | 6 Cans p/Case         |

## Suitable Substrates

All substrates listed below must be properly prepared and meet certain requirements. There may be other exceptions and special conditions for these substrates to be suitable for installation.

- Concrete (on all grade levels)
- Approved suspended wood underlayments
- Single-layer, fully adhered, existing resilient floors (skim coat required to reduce telegraphing)
- Ceramic tile, terrazzo, marble Polymeric poured (seamless) floors

## Do not install over:

- Particleboard, waferboard, OSB or single-layer Sturd-I-Floor panels
- Existing resilient tile floors that are below grade
- Existing cushioned vinyl flooring
- Carpet
- Hardwood flooring that has been installed directly over concrete

## Job Conditions/Preparation

Substrates must be sound, dry, clean, smooth, and free from excessive moisture or alkali. Remove dirt, paint, varnish, wax, oils, solvents and other foreign matter that would interfere with a good bond such as curing agents and sealers. In renovation or remodel work, remove any existing adhesive residue so that no ridges or puddles are evident and what remains is a thin, smooth film. When using a traditional full spread installation system over an existing resilient floor, use a one-part embossing leveler or patch, underlayment & embossing leveler with an underlayment additive to fill and smooth any embossing in the old floor.

Luxury Vinyl Tile can be fit directly to existing baseboard and trim moldings, however removing the baseboard molding and replacing it after the flooring is in place will make the perimeter fitting much easier. Undercut door frames (optional) to allow Luxury Vinyl Tile to slip underneath and make fitting planks around door frames easier. The area to receive the resilient flooring materials and adhesives should be maintained at a minimum of 65 degrees F (18 degrees C) and for 48 hours before installation, during installation and 48 hours after completion. Maintain a minimum temperature of 55 degrees F (13 degrees C) thereafter. Verification must be made that subfloor moisture levels do not exceed acceptable limits when installing flooring over concrete subfloors. Conduct a Calcium Chloride Test (ASTM F1869) to measure subfloor vapor emission levels prior to installation. A maximum acceptance moisture emission level of 5 lbs. per 1000 sq.ft. per 24 hrs. or relative humidity of 85% or less when tested with an in situ probe (ASTM F2170). If subfloor moisture vapor transmission levels exceed the recommended limit, the concrete must be allowed to dry-out prior to installing the floor.

Radiant heated substrates must not exceed a maximum surface temperature of 85 degrees F (29 degrees C).

**\*WARNING: FOR EXISTING IN-PLACE RESILIENT FLOOR COVERING AND ASPHALTIC ADHESIVES. DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVE, OR OTHER ADHESIVE.**

Existing in-place products may contain asbestos fibers and/or crystalline silica. Avoid creating dust; Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the

*where luxury and value meet*

# INSTALLATION INSTRUCTIONS

risk of serious bodily harm. Unless positively certain that the existing in-place product is a non asbestos-containing material, you must presume it contains asbestos. See current edition of the Resilient Floor Covering Institute (RFCI) publication Recommended Work Practices for Removal of Resilient Floor Coverings for instructions on removing all resilient floor covering structures. Reward® Luxury Vinyl Flooring and it's recommended adhesive does NOT contain asbestos.

## Layout:

Whenever possible, plan the layout so that the joints in Luxury Vinyl Tile planks do not fall on top of joints or seams in the existing substrate. The end joints of the planks should be staggered a minimum of 6" apart. Do not install over expansion joints.

Determine which direction the planks will run. Find the center of each of the end walls (the walls perpendicular to the long dimension of the planks) and place a pencil mark on the floor. Connect these points by striking a chalk line down the center of the room. Do a dry layout of planks from the center line to the wall running parallel to the long direction of the planks to determine the width of the last row of planks.

Dry layout to determine width of border plank.

Avoid having border pieces less than 2" wide for the 4" wide planks and less than 3" wide for the 6" wide planks. If you find the border planks will be less than 1/2 the width of the plank, the center starting line should be shifted a distance equal to 1/2 the plank width. This will "balance" the room and provide for a larger cut piece at the wall.

## Procedure:

Use Franklin's 670 permanent bond adhesive (see adhesive label for details on trowel recommendations) or Silencer's Quicklay spray adhesive. Normally, you will apply adhesive to 1/2 of the area at a time so that you can start the installation along the center starting line. Apply adhesive and allow the adhesive to set as per the installation instructions on the adhesive label.

*Note: When using planks from two or more cartons, check to be sure all pattern and lot numbers are the same to ensure proper color match. On larger installations, open several cartons and mix them as they are installed to help blend any slight shade differences from one carton to the next. Products with directional arrows on the back should be installed with the arrows all pointing in the same direction unless you are installing custom layouts.*

Begin laying planks along the center starting line and install row by row including the cut pieces at the perimeter until 1/2 of the installation is complete. Stagger the end joints by at least 6 inches. Apply adhesive to the remaining portion of the room, allow the adhesive to set and complete the installation of planks in similar fashion.

After Luxury Vinyl Tile is installed, immediately roll the entire floor with a 100 lb. roller. Use a hand roller in confined areas where the large floor roller will not reach, such as under toe kicks. The planks may be walked on immediately; however, the floor should not be exposed to heavy rolling load traffic for 72 hours after the installation. Use pieces of hardboard or underlayment panels to protect the floor when moving heavy furniture and appliances back into the room.