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## **Race PVC Membrane Installation Instructions**

General guidelines for installation of Race PolyVinyl Chloride (PVC) flooring membranes. These instructions apply to installation of scrim-backed (polyethylene fiber) membranes (sheet goods) only. If material involved is unbacked, please request those instructions.

Underlayments (subfloors) must be structurally sound, dry, smooth, clean, and free from dust, dirt, wax, paint, grease, curing agents and any material that might prevent a good bond. Check with manufacturer's recommendations for glue applications on all underlayment products. All plywood joints, nail or screw heads should be patched with a Portland cement based floor patch. Concrete subfloors must be fully cured (at least 28 days after placement) and free from excess moisture and alkalinity. Standard moisture and alkalinity tests should be performed on all substrates.

All materials should be acclimated for a minimum of 24 hours prior to the installation. Flooring material, adhesive and room must maintain a temperature of 65-75 ° F and humidity level of 35-55% for 24 hours before, during and after installation.

Apply adhesive to clean underlayment (subfloor) with 1/16"x1/16"x1/16" square-notch trowel or long nap paint roller. If the paint roller method is used, a coverage rate of 125-175 sf per gallon must be maintained.

Acceptable subfloors include concrete. Acceptable underlayments include Birch, Fir and Pine sanded plywood. Evenly distribute adhesive on floor area to receive membrane.

*There are two adhesive options to install Race scrim backed membranes.*

*Option #1* - The SOURCE E-801FT is a fast tack, pressure sensitive formulation that can be used for for all scrim-backed PVC and TPO floorings. The flooring must be installed after a period of time so that some of the moisture flashes off but before the adhesive is "dry". Approximately 60% of the adhesive's water content must evaporate before laying membrane into adhesive. Lay into the adhesive when it changes from white color to opaque. Do not let the adhesive turn clear as this is the "dry" state and would be considered a releasable bond. The open time varies depending on humidity, temperature of all materials involved and air flow.

After the adhesive has had proper open time, the membrane should be placed and then rolled with a 75 or 100lb. roller. Roll in both directions. After 1 to 2 hours, inspect the membrane for bubbles or lift and re-roll in these areas. Re-rolling the entire floor is also recommended.

The E-801FT will reach its maximum green strength in approximately 72 hours and will stay very tacky with very good rebonding qualities.

Should a field repair be necessary, use only 801FT adhesive.

*See page 2 for Option#2*

*Option #2* - The SOURCE 601 is a fast tack, hard set formulation that is used for all scrim-backed PVC and TPO floorings. The flooring is to be installed into "wet-tack" adhesive with minimal flash off time required. The open time varies depending on humidity, temperature of all materials involved and air temperature. Do not allow the adhesive to "skin-over" or dry. After the adhesive has had proper open time, the membrane should be placed and then rolled with a 75 or 100lb. roller. Roll in both directions.

Any material with appearance of wrinkles, ripples, or creases should not be installed. Materials with these issues can normally be heated, to above room temperature, to disapeate wrinkles. Contact The Source Company for further details if your material has these issues.

Clean up wet adhesive with warm soap and water. Mineral spirits will remove dry adhesive from the membranes.

It is recommended to minimize traffic over the newly installed flooring for at least 24 hours after installation. Also, do not expose the floor to high temperatures or direct sunlight for 24 hours as the heat will cause the membrane to expand and bubble. Do not allow rolling loads, heavy traffic or furniture placement for the first 72 hours after installation.