

TEKNOFLOR® INSTALLATION SHEET

(REV: FEB 2010)

SPECIFICATIONS:

BASE:	Acrylic
COLOR:	White
CONSISTENCY:	Soft, Creamy
SHELF LIFE:	One year at room temperature
STORAGE:	Freeze-thaw stable for five cycles at 10°F. All Water based adhesives should be stored at above freezing temperatures. Multiple freeze-thaw cycles must be avoided. Freeze-thaw protection is intended to protect adhesives during winter shipments.
VOC:	Solvent Free, Non Photo-chemical Reactive, Complies with SCAQMD 1168
COVERAGE:	Porous: 135-145 square feet per gallon, using 1/16 x 1/16 x 1/16 Square notch trowel Non-Porous: 240-250 square feet per gallon, using 1/16 x 1/32 x 1/32 U-notch trowel

CLEAN-UP: Remove any excess adhesive immediately with soapy water. Dried adhesive can best be removed with a nonflammable cleaner. Dried adhesive may be difficult to remove; therefore take care to remove adhesive from the surface before it dries.

LIMITATIONS: For interior installations only. DO NOT install when the substrate temperature is below 50°F (10°C). Room air temperature must be 65°F to 85°F with relative humidity of less than 65%. The moisture content of the slab must be 3 pounds or less as measured by ASTM 1869 anhydrous calcium chloride or less than 75% relative humidity inside the slab as per ASTM F2170. The pH level of slab must not exceed 9 as per ASTM F710 test method. **DO NOT** install over gypsum-based substrates without an acrylic based primer-sealer prior to installation. **If a concrete sealer was used, break bond past sealer for accurate reading.**

USE OF ADHESIVE: Use adequate ventilation. Avoid prolonged breathing of vapors. After using, be sure to wash your hands thoroughly, particularly before eating. May cause skin and eye irritation. Avoid contact with skin and eyes. Keep container closed. Thoroughly wash exposed area with soap and water. Eyes: flush with large amounts of water, lifting upper and lower lids occasionally; call a physician immediately. Ingestion: Induce vomiting. Call physician. **KEEP OUT OF REACH OF CHILDREN.** Refer to Material Safety Data Sheet (MSDS) for further information.

DESCRIPTION: TEKNOFLOR 1000 SHEET VINYL ADHESIVE is a solvent-free acrylic adhesive manufactured for use with Teknoflor Sheet Vinyl products on both porous and non-porous subfloors. Teknoflor 1000 is an excellent water resistant adhesive, easy to install and has an extremely high bond strength with excellent resistance to plasticizer attack. **For applications under hospital beds, please use EX-4000 Epoxy. (Go to PDF file for EX-4000 Product Data Sheet for further information.)**

APPROVED SUBSTRATES: Plywood, hardboard, particle board of under-layment quality only, lining felt, properly cured and dried concrete, cementitious terrazzo and a sound wax-free resilient floor, VCT, birch & Luann underlayment, self leveling compounds. (All concrete slabs must be thoroughly cured & free of curing agents, excessive alkali and moisture.)

SURFACE PREPARATION: For proper results, the room, floor covering and adhesive should be a minimum of 65° for 72 hours before and 48 hours after installation. Area to be covered must be clean, sound, dry and free of dust, dirt, wax, oil or grease, **concrete curing compounds**, and any other foreign matter that would interfere with a good bond. **All ink markings (i.e. magic markers) on concrete floor must be removed by sanding to prevent bleed through staining of the vinyl flooring. Sealing and/or skim coating may not be substituted for sanding.** No new floor covering can correct an uneven floor. Level any high spots, and fill all cracks, holes and minor depressions with a suitable underlayment or floor patch. Otherwise, irregularities can “telegraph” through the new surface. Extremely porous and/or dusty surfaces should be primed by applying a single coat of acrylic based primer-sealer with a short nap paint roller and allowed to dry before making final application with the recommended trowel.

WARNING! Do not sand, dry sweep, dry scrape, drill, saw, bead blast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphaltic “cutback” adhesive, or other adhesive. These 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 risk of serious bodily harm. Unless positively certain that the product is non asbestos-containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content. RFC’s Recommended Workplace Practices for Removal of Resilient Floor Coverings are a defined set of instructions addressed to the task of removing all resilient floor covering structures.

APPLICATION: TEKNOFLOR 1000 offers the ability to install over non-porous surfaces. Over porous surfaces, spread adhesive with a 1/16 x 1/16 x 1/6 Square notch trowel and allow adhesive to remain open (flash-off) for approximately 10 minutes, and then install the floor covering. **Always check for proper adhesive transfer on the back of the sheet vinyl in case more adhesive is needed for overly porous substrates.** Roll as you go on all flooring to ensure good bonding. Please use 150 pound roller. For non-porous installations, spread adhesive with a 1/16 x 1/32 x 1/32 U-Notch trowel. The adhesive is ready to accept material when there is little, to no, transfer of the adhesive to the fingers, but is still tack to the touch. **Material should be installed immediately at this point!** Adhesive tack time will vary depending on temperature, humidity, substrate and trowel size. Humidity above 65% will slow drying time. Temperature should be above 65°F. Roll as you go on all flooring to ensure good bonding. Please use a 150 pound roller.

THINGS TO REMEMBER:

- Subfloor must be inspected to determine porosity, moisture emissions and alkalinity before floor prep begins. **Determine if there are curing compounds or sealers that might prevent proper bonding and moisture testing.**
- Subfloor preparation must meet industry standards. When in doubt, consult manufacturer.
- Site conditions must be climatized per manufacturer instructions.
- Take care not to over-dry adhesive.

Additional Installation Facts To Consider

When unrolling the flooring, make sure the resilient floor surfaces and backing are free of manufacturing defects or product flaws. Check your tools, chamfering machine, hot air welder, spatula blade and trowels. It is most important that all blades are sharp and smooth. **Use only replaceable blades for your trowel.** Never hand-sharpen your trowel blades, even if the directions on the adhesive suggest this. NEVER SHARPEN YOUR TROWEL BLADE. WHEN BLADE IS WORN, REPLACE IT. *For trimming weld rod use a Winkelman WDD645 Slim Trim Knife. (800-929-4362)*

Be sure a 150 lb. Roller is used at all times. A 150 lb. Roller is the ONLY WEIGHT ACCEPTABLE to roll beads of adhesive flat so they do not telegraph through the vinyl. A 90 lb. Roller will not flatten out adhesive beads.

Please note: TEKNOFLOR 1000 replaces SS1000, SS2000, and TEK4

Teknoflor does not have roll numbers, but make sure to watch for shading differences. Cut all material and let it relax for 24 hours. Inspect dry laid flooring for telegraphing of any remaining subfloor defects or sheet imperfections, and correct, if any. After dry laying materials, look at each sheet to make sure there is not a shade difference. If there is a difference, reverse sheet. Call Shannon Sales with any questions on shade problems.

Always check for proper adhesive transfer on the back of the sheet vinyl in case more adhesive is needed for porous concrete, or perform a bond test.

Some Teknoflor has a heavy polyester backing. Depending on the density of the concrete, make sure there is enough adhesive on the concrete floor to completely cover the polyester backing. To determine if enough adhesive has been applied, pull material back after rolling it into the adhesive to make sure the proper amount of adhesive is being used and there is a transfer of adhesive to the back of the material.

DO NOT LEAVE LUMPS OF ADHESIVE, SINCE THEY TAKE TWICE AS LONG TO DRY AND CAUSE BUBBLES. Do not apply excess adhesive, which causes indentations and footprints in the sheet vinyl.

For Teknoflor III Wood, Teknoleum and Teknoleum Collection installations, after TEKNOFLOR 1000 adhesive has been applied to the sub floor using the correct trowel size, take a short nap paint roller that has been moistened with adhesive and roll out all trowel marks. Periodically check the floor backing for coverage and to make sure that too much adhesive was not applied. Rolling carts, beds, etc. must stay off the floor for at least 48 hours, unless plywood sheeting has been temporarily laid to distribute weight.

USE OUR 2-PART TEKNOFLOR EPOXY EX-4000 ADHESIVE UNDER ANY HOSPITAL HILL-ROM PATIENT BEDS, OPERATING ROOM TABLES, OR HEAVY EQUIPMENT ON WHEELS. FOR ALL HOSPITAL BEDS, ONE SIX FOOT WIDE DROP SHOULD BE LAID DIRECTLY UNDER EACH BED – WALL TO WALL – WHEREBY ALL FOUR BED WHEELS SIT DIRECTLY ON THE SHEET VINYL. POSITION SHEET SO BED SITS ON THE CENTER OF EACH SHEET. THE REMAINDER OF THE ROOM SHALL BE INSTALLED USING TEK 1000 ADHESIVE.

LAYOUT OF SHEET VINYL SHALL BE DETERMINED AS TO THE PLACEMENT OF THE BED.

Continue to watch for bubbles that can appear after repeated rolling with the epoxy adhesive. If bubbles do appear, weight them down. **Do not use epoxy adhesive less than three hours prior to leaving job site.** When seams are chemically welded, use Mannington's MLG33 Low Gloss Commercial Seam Welding. When chemically welding Teknoflor III Wood Grain products, use Mannington High Gloss MHS22 Seam Sealer.

METROFLOR CORPORATION WARRANTS TEKNOFLOR® TO BE FREE OF DEFECTS AND CANNOT BE HELD RESPONSIBLE FOR THE PERFORMANCE OR AFFECTS OF THIRD PARTY PRODUCTS MANUFACTURED TO BE USED WITH IT.

WARNING: DO NOT USE OR LAY OVER MAGIC MARKERS OR SIMILAR INSTRUMENTS! SHANNON SALES WON'T BE RESPONSIBLE FOR CLAIMS RELATED TO TRANSFERABLE MARKERS!