

PVC/PETG Wall Sheet

ADHESIVES

To ensure proper adhesion of the sheet to the substrate, these installation instructions must be followed precisely. Failure to follow these installation instructions may result in improper adhesion of the sheet to the substrate. Tepromark recommends the use of primer before applying adhesive.

When estimating the quantity of adhesive required for a job, assume three coats of adhesive. Five gallons of adhesive will provide an approximately 600 sq. ft. area with 3 coats of coverage. Five gallons of primer will cover 1750 sq. ft.

USING XT-2000™ ADHESIVE OVER NON-POROUS SUBSTRATES

Non-porous surfaces prevent or slow evaporation, lengthening the cure time and reducing the initial bond strength. On installations over non-porous substrates such as painted metal, stainless steel, high pressure laminate or other rigid plastic, glazed block, etc., make the following adjustments to standard installation instructions:

1. Adhesive drying time will vary with jobsite temperature and humidity conditions. Drying will take at least one hour, usually no longer than three hours.
2. The adhesive must be firm and not transfer to fingers when touched. It will change from white to clear, indicating the optimum time for installation. The edges of the installed wallcovering will adhere before the center does.
3. Unless it is perfectly aligned, beware of the wallcovering touching the adhesive. Readjusting the sheets may be difficult or impossible.

HOW TO PREVENT THE TELEGRAPHING OF TROWEL GROOVES THROUGH THIN GAUGE WALLCOVERING

Some installations using thin gauge wallcovering can have an unsatisfactory appearance because the trowel marks may be telegraphing from the back of the wallcovering to its face. This is caused by using a V-notch trowel and allowing the adhesive to become excessively firm before applying the wallcovering. The grooves of the adhesive can become too stiff to flatten out even when a pressure roller is used.

Follow these procedures to prevent telegraphing:

1. On smooth walls use a 1/16" square notched trowel.
2. On rough walls use a 1/8" V-notched trowel having flat areas between the grooves. Formulated solutions' specially designed 1/8" V-notched trowel minimizes telegraphing and improves coverage.
3. Keep wallcovering material flat and properly aligned as when using a contact adhesive. DO NOT allow wallcovering to touch the adhesive unless it is perfectly aligned. Readjusting the sheets may be difficult or impossible.

ADHERING RIGID VINYL WALLCOVERING OVER CERAMIC TILE OR GLAZED BLOCK USING XT-2000™ ADHESIVE

1. 0.060" (1.5mm) or thicker wallcovering is effective in hiding uneven walls surfaces such as ceramic tile and glazed block. Thinner gauges may only be used if the wall surface is properly prepared to be smooth and flat.
2. Wall flatness is very important. Level the wall with a premium ceramic tile adhesive. Use a wide, flat-edged leveling trowel to fill grout line depressions. Leave tile faces uncovered. Allow to dry for a minimum of 24 hours.
3. Wet sand high points to smooth walls and keep dust to a minimum.
4. Sponge down the walls with water to remove dust and loose particles. Allow to dry, and then apply the XT-2000P Primer and XT2000 Adhesive in accordance with instructions for installing over non-porous surfaces.

NOTE: The temperature of the sheeting can be raised if the sheeting is installed near heating vents, radiators, or in the path of direct sunlight, including sunlight passing through windows. The resulting differential expansion and contraction can cause blistering, distortion, or delamination of sheeting in the exposed area.

INSTALLATION

Preparation:

STEP 1. Review Tepromark approved shop drawings for types and locations.

STEP 2. Ensure that the sheeting is the proper color and thickness (in accordance with the purchase order).

STEP 3. If the sheeting has been stored in an unheated area, allow it to warm for a minimum of 14 hours prior to beginning installation. Excessive thermal expansion of the sheeting after installation will weaken the adhesive bond of the sheeting to the substrate.

NOTE: THE MINIMUM RECOMMENDED TEMPERATURE OF BOTH THE ROOM AND THE SHEETING DURING INSTALLATION IS 65 DEGREES F.

STEP 4. Follow the adhesive manufacturer's instructions for surface preparation. Ensure that the wall is dry and free from dirt, grease, loose paint, and scale. Clean the wall surface as needed. Remove rough spots on the wall surface by sanding (smooth walls) or by using a mason's stone (block or brick walls).

IOM

Installation, Operation, and Maintenance



STEP 4. Follow the adhesive manufacturer's instructions for surface preparation. Ensure that the wall is dry and free from dirt, grease, loose paint, and scale. Clean the wall surface as needed. Remove rough spots on the wall surface by sanding (smooth walls) or by using a mason's stone (block or brick walls).

NOTE: UNSEALED SURFACES MUST BE PRIMED, IF USING FACTORY SUPPLIED XT 2000 ADHESIVE, FACTORY SUPPLIED XT2000P MUST BE USED. BE SURE TO READ ALL APPLICATION INSTRUCTIONS FOR THE PRIMER PRIOR TO THE START OF INSTALLATION AS SOME PRIMERS CAN TAKE UP TO 24 hrs TO CURE.

STEP 5. For walls that are painted, test the paint adhesion. If the paint comes off when the procedures in Step 6 and Step 7 are followed, the paint must be stripped before installation of the sheeting can begin.

STEP 6. When mastic adhesive is to be used to install the sheeting, attached a 12" square test sample of the sheeting using the mastic adhesive to the wall. Allow the test sample to cure for 24 hours, and then pull the test sample off of the wall. If the adhesive has softened the paint below it, the wall must be stripped.

STEP 8. Using a chalk line or masking tape, outline the area of the wall to be covered. If the installation is a wainscot, ensure that the sight line is level. If the installation is a full wall, ensure that the vertical edge is plumb.

STEP 9. Select a section of sheeting, and corresponding trim, wipe the back surface (wall side) with a damp cloth to remove any dust, and allow the back surface to dry. To allow for variations that occur in the sheets, due to temperature variations, allow 10% on all sides when sheets are installed.

STEP 10. Using the recommended notched trowel, apply the mastic adhesive to the section of the wall (within the area outlined in Step 8) in which the selected section of sheeting is to be installed. Follow the mastic adhesive manufacturer's instructions and safety recommendations.

STEP 11. The sheeting and corresponding trim should be applied immediately. Align the top edge of the sheeting with the chalk or tape outline. Ensure that the sheeting is properly aligned and in the proper position.

STEP 12. Apply sheeting with a rolling or "squeegee" motion. This will eliminate the air bubbles.

STEP 13. Smooth the sheeting into position by hand. Mastic adhesive allows you to reposition the sheet as necessary to assure proper alignment. Then place the corresponding trim pieces into their proper places by sliding them under the sheeting.

STEP 14. Starting from the center of the installed sheeting and working out, roll the entire surface of the installed sheeting using a heavy duty pressure roller. Pay particular attention to the edges.

STEP 15. Repeat the procedures given in Step 8 through Step 15 for each successive section of sheeting until all sections of sheeting have been installed.

NOTE: TO ENSURE A UNIFORM APPEARANCE, INSTALL ALL THE SHEETS SO THAT THEIR PATTERN RUNS IN THE SAME DIRECTION. THE TEXTURED SIDE OF THE SHEETING IS THE FINISHED SIDE.

INITIAL INSTALLATION CLEAN-UP:

Remove the layout marks and excess adhesive using a solvent such as mineral spirits, naphtha, Solvesso, or the adhesive manufacturer's recommended solvent(s). Use clean rags to avoid redepositing the adhesive residue in the pattern. Rinse the cleaned area thoroughly with water.

GENERAL MAINTENANCE:

Sheeting is resistant to a wide range of concentrated chemicals, including aqueous acids and bases, alcohols, lubricating oils and greases, and motor fuels. It also exhibits very good stain resistance to common straining agents. Therefore, it is easily and safely cleaned with mild detergents or multipurpose cleansers. As with all plastics, extreme care should be taken when selecting a cleaning agent; some solutions may leave a residue or discolor the material.