

Vinyl Wallcovering**Important Notes:**

1. Locate and install Wallcovering in accordance with architectural drawings and specifications. When required, shop drawings should be used in conjunction with these documents
2. Locate the packing slip(s) and inspect all material for damages or missing parts. If products are damaged, notify the factory immediately and leave the products in their packaging. If products are signed and received without reporting damages, you waive your right to a freight claim and will be responsible for their replacement cost.
3. Materials must be stored flat (do not stand rolls or sheet on end) in a clean and dry area where temperature is maintained above 50°F (10°C).
4. Material should be stored in original containers..
5. Read the instructions thoroughly before beginning installation.
6. Both Protective Wallcovering and adhesive must be allowed to precondition for at least 24 hours at a minimum temperature of 65°F (18°C) but not exceeding 85°F (29°C) prior to beginning installation.
7. Pre-cut sheet sizes from rolls.
8. To reduce roll curl when using roll stock, place pre-cut Protective Wallcovering on a flat surface with all four corners weighted and allow the material to relax for a period of at least 24 hours at a minimum temperature of 65°F (18°C) but not exceeding 85°F (29°C) prior to beginning installation.
9. Installation areas should have a constant minimum temperature of not less than 65°F (18°C) for a minimum of 48 hours prior to beginning installation.
10. Wipe the back side of the Protective Wallcovering with a damp rag to remove any dust, and allowed to dry.

Installation

1. Wall temperature during installation should be a minimum of 65°F (18°C) and a maximum of 85°F (29°C).
2. Temperature of installation area should be maintained throughout course of installation at a minimum of 65°F (18°C) however, 75°F (24°C) is preferable.
3. High humidity will lengthen the curing time of adhesives. Do not install if relative humidity is greater than 80%.
4. Cutting
 - a. Thinner gauges of Protective Wallcovering .028" (0.7mm) and .040" (1.0mm), may be cut with a utility knife, using a metal straight edge as a guide. A number of passes are made with the blade along the line to be cut.
 - b. Thicker gauges of Protective Wallcovering .060" (1.5mm), may be cut by scribing and breaking. The special scribing tools used for cutting Plexiglas acrylic sheet may be used. Using a metal straight edge as a guide, a number of passes are made with the tool along the line to be cut. The scribed line is placed over a 3/4" (19.1mm) diameter dowel and the sheet is broken by applying downward hand pressure on both sides of the line.
5. Sawing
 - a. Protective Wallcovering can be cut by sawing with most common types of power sawing equipment including circular saws, jig saws, and saber saws. Circular saws are used for straight cuts; jig and saber saws are used for cutting small radii curves.
 - b. Standard blades designed for cutting plywood work well and are preferred over carbide tipped blades for cutting thin gauges of Protective Wallcovering.
6. Drilling
 - a. Holes may be drilled in Protective Wallcovering with standard, high-speed drills. Drills may be operated over a wide range of speeds as long as feeds are not forced.
7. Routing
 - a. Portable routers may be used for cutting Protective Wallcovering to size, and work well on projects where there are a large number of similar sized sheets. Usually, a wood jig is constructed on site into which the Protective Wallcovering is placed, measured, marked, and cut using a portable router.



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Installation with Mastic Adhesive

Note: Mastic adhesive is not recommended when installing .040" rolls or thickness over .060".

Surface Preparation

1. Wall must be free from dirt, grease, loose paint, and scale. Remove rough spots by sanding smooth walls or using a mason's stone on block or brick. Walls must be properly mudded and taped.
2. Remove pre-existing wallcovering, and resurface any walls with significant damage.
3. Test for paint adhesion. Attach a 12" (30.5cm) test square of Protective Wallcovering to the wall using the mastic adhesive. Allow to set for 24 hours. Pull off the test square. If the adhesive has softened the paint, the wall must be stripped prior to installation.
4. Resurface uneven wall surfaces (i.e. concrete block or ceramic tile).
5. Before applying adhesive, the wall surface should be wiped with a clean water-dampened rag to remove any dust or debris.

Dry Fitting Sheets

1. Outline the area to be covered with chalk line or masking tape. If installation is a wainscoting, be sure the sight line at the top end is level. If installation is a full wall, make sure the vertical edge is plumb.
2. For uniform appearance, install all sheets with the texture running in the same direction. The arrow on the back of each sheet indicates texture direction.
3. When installed with mastic adhesive, Protective Wallcovering must have a 1/16" (1.6mm) expansion gap between sheets. Butt seams can only be accomplished with contact adhesives using .028 gauge wallcovering in temperature-controlled environments with a maximum temperature fluctuation of +10°F (5.6°C).
4. Do not butt Protective Wallcovering up against door jambs, ceilings, or baseboards. Leave a 1/16" (1.6mm) expansion clearance.
5. See **Joint Edge Molding Installation** for recommendations on installing division bars, inside and outside corner moldings, and J-molding.
6. On interior surfaces of perimeter walls, and any area subject to temperature variations, an expansion clearance of 1/8"(3.2mm) minimum must be allowed on all four sheet sides to permit natural dimensional change.
7. Drill oversized holes when installing fixtures such as handrails, air ducts, etc. These items can inhibit the natural expansion and contraction of the sheet as temperature changes occur. Molding such as the J-Molding can be used to minimize the visual effect of larger openings.

Applying Mastic Adhesive

1. Be certain that porous substrates such as drywall and concrete block are painted or sealed using primer before applying mastic adhesive. Newly sealed walls should be completely dry prior to application of mastic adhesive.
2. Follow adhesive manufacturer's recommended safety precautions, such as providing adequate ventilation.
3. Apply mastic adhesive to wall surface only. It is not necessary to apply mastic adhesive to back side of sheet.
4. Use only recommended trowel, according to wall surface. When using mastic adhesive on smooth walls, use only 1/16"(1.6mm) x 1/16" (1.6mm) x 1/16" (1.6mm) SQUARE-NOTCHED trowel. When using mastic adhesive on rough walls, use only 1/8" (3.2mm) x 1/8" (3.2mm) x 3/32" (2.4mm) U-NOTCHED trowel.
5. Be sure to cover 100% of wall surface area, maintaining uniform coverage. Insufficient adhesive is the cause of most problems.
6. Allow adhesive to "set up" according to instructions on adhesive container label. This time is variable according to job site conditions, but in no case should the adhesive be allowed to "skin over." Maintaining a constant temperature during cure time is critical.



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Installing Sheet

1. Align the top edge of Protective Wallcovering with chalk line or tape, and then smooth Protective Wallcovering into place by hand.
2. Roll the entire surface with a heavy-duty pressure roller (i.e. Crain #333 extension roller or equivalent). Start from the center of sheet and work out, being cautious to prevent an air pocket from forming under the sheet. Pay particular attention to all edges of sheet.

Installation Clean-Up

1. Any adhesive residue should be removed immediately while Protective Wallcovering is being installed.
2. Do not allow adhesive to dry on surface of Protective Wallcovering or on tools.
3. Remove adhesive and lay-out marks using warm, soapy water.
4. Dried adhesive may sometimes be removed with mineral spirits or naphtha.

After installation

1. Do not expose walls to elevated temperatures or direct sunlight after installation. This may result in wall surface temperatures in excess of 100°F (38°C), which may cause blistering and distortion of Protective Wallcovering.



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Installation with Contact Adhesives

Note: Smooth surfaces only.

Surface Preparation

1. Wall must be free from dirt, grease, loose paint, and scale. Remove rough spots by sanding smooth walls. Walls must be properly mudded and taped.
2. Remove preexisting wallcovering, and resurface any walls with damage.
3. Test for paint adhesion. Use a razor to score the surface of a 12" (30.5cm) square area in a grid pattern. Try to remove the broken paint film by applying cellophane-type or masking tape and pulling off sharply. If the paint comes off, the wall must be stripped prior to installation.
4. Before applying adhesive, the wall surface should be wiped with a clean water-dampened rag to remove any dust or debris.

Dry Fitting Sheets

1. Outline the area to be covered with a chalk line or masking tape. If installation is a wainscoting, be sure the sight line at the top edge is level. If installation is a full wall, make sure the vertical edge is plumb.
2. For uniform appearance, install all sheets with the texture running in the same direction. The arrow on the back of each sheet indicates texture direction.
3. Gauges of Protective Wallcovering greater than .028" (0.7mm) must have a 1/16" (1.6mm) expansion gap between sheets. Butt seams are permissible only with .028" (0.7mm) gauge wallcovering and in temperature controlled environments with a maximum temperature fluctuation of +10°F (5.6°C).
4. Do not butt Protective Wallcovering up against door jambs, ceilings, or baseboards. Leave a 1/16" (1.6mm) expansion clearance.
5. See **Joint Edge Molding Installation** for recommendations on installing division bars, inside and outside corner moldings, and J-Molding.
6. On interior surfaces of perimeter walls and any area subject to temperature variations, an expansion clearance of 1/8" (3.2mm) minimum must be allowed on all four sheet sides to permit natural dimensional change.
7. Drill oversized holes when installing fixtures such as handrails, air ducts, etc. These items can inhibit the natural expansion and contraction of the sheet as temperature changes occur. Molding such as the J-Molding can be used to minimize the visual effect of larger openings.

Applying Contact Adhesives

1. Be certain that substrate is painted or sealed using primer before applying contact adhesive. Newly sealed walls should be completely dry prior to application of contact adhesive.
2. Follow adhesive manufacturer's recommended safety precautions, such as providing adequate ventilation.
3. Stir adhesive thoroughly before application.
4. Using a short nap roller, apply two coats of contact adhesive to the wall. Allow the first coat to dry thoroughly before applying the second coat. Cut-in the corners using a trim brush.
5. Again, using short nap roller, apply one coat of contact adhesive to back side of sheet (back side of sheet is not textured side).
6. Avoid excess rolling or rerolling as this causes unevenness in the adhesive film.
7. Avoid puddles.
8. Under recommended temperature and humidity conditions, contact adhesive should be dry in approximately 30 minutes. We recommend that a minimum of 45 minute be allowed before installing sheet. The longer you wait, the stronger the initial bond will be. You will notice a darkening of color when the adhesive becomes dry. Do not install until all wet spots have disappeared. If sheet is not installed within three hours, panel and wall must be recoated with adhesive prior to installation.



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9. The positive test for enough adhesive is a glossy film when completely dry. Dull spots after drying indicate insufficient adhesive; these spots must receive another coat.
10. Contact adhesive bonds immediately upon contact. Utilization of slip sheets is highly recommended to prevent accidental bonding. For ease of handling, thin gauges of Protective Wallcovering can be rolled up after adhesive has dried. Contact adhesive will bond only to itself.

Installing Sheet

1. Align edges of Protective Wallcovering with chalk line or tape, then carefully remove slip sheet. Smooth Protective Wallcovering into place using stiff paperhanger brush.
2. Roll the entire surface with a heavy-duty pressure roller (i.e. Crain #333 extension roller or equivalent). It is imperative that installer applies heavy pressure while rolling. Start from the center of sheet and work out, being cautious to prevent an air pocket from forming under the sheet. Pay particular attention to all edges of sheet.

Installation Clean-Up

1. Any adhesive residue should be removed immediately while Protective Wallcovering is being installed.
2. Do not allow adhesive to dry on surface of Protective Wallcovering or on tools.
3. Remove adhesive and lay-out marks using a solvent such as mineral spirits or naphtha, or the adhesive manufacturer's recommended solvent.
4. Use clean rags to avoid re-depositing adhesive residue in the wallcovering pattern.
5. Rinse cleaned area thoroughly with water

After installation

1. Do not expose walls to elevated temperatures or direct sunlight after installation. This may result in wall surface temperatures in excess of 100°F (38°C), which may cause blistering and distortion of Protective Wallcovering.



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Installation with Spray-Lock® 1500 Adhesive

Smooth surfaces only.

For uniform appearance, install all sheets with texture running the same direction. The arrow on the back of each sheet indicates texture direction. Textured embossed side is finished or exposed side. Textured side is not adhesive side.

Surface Preparation

1. Wall must be free from dirt, grease, loose paint, and scale. Remove rough spots by sanding smooth walls. Walls must be properly mudded and taped.
2. Remove preexisting wallcovering, and resurface any walls with damage.
3. Test for paint adhesion. Use a razor to score the surface of a 12" (30.5cm) square area in a grid pattern. Try to remove the broken paint film by applying cellophane-type or masking tape and pulling off sharply. If the paint comes off, the wall must be stripped prior to installation.
4. Before applying adhesive, the wall surface should be wiped with a clean water-dampened rag to remove any dust or debris.

Dry Fitting Sheets

1. Outline the area to be covered with a chalk line or masking tape. If installation is a wainscoting, be sure the sight line at the top edge is level. If installation is a full wall, make sure the vertical edge is plumb.
2. For uniform appearance, install all sheets with the texture running in the same direction. The arrow on the back of each sheet indicates texture direction.
3. Gauges of Protective Wallcovering greater than .028" (0.7mm) must have a 1/16" (1.6mm) expansion gap between sheets. Butt seams are permissible only with .028" (0.7mm) gauge wallcovering and in temperature controlled environments with a maximum temperature fluctuation of +10°F (5.6°C).
4. Do not butt Protective Wallcovering up against door jambs, ceilings, or baseboards. Leave a 1/16" (1.6mm) expansion clearance.
5. See **Joint Edge Molding Installation** for recommendations on installing division bars, inside and outside corner moldings, and J-Molding.
6. On interior surfaces of perimeter walls, and any area subject to temperature variations, an expansion clearance of 1/8" (3.2mm) minimum must be allowed on all four sheet sides to permit natural dimensional change.
7. Drill oversized holes when installing fixtures such as handrails, air ducts, etc. These items can inhibit the natural expansion and contraction of the sheet as temperature changes occur. Molding such as the J Molding can be used to minimize the visual effect of larger openings.

Applying Spray-Lock® Adhesive

1. Protect surrounding walls from overspray with a spray shield, drop cloths, paper or masking.
2. Shake aerosol can well. Remove blue safety tab. Hold can upright, approximately 10"(25cm) to 12" (30cm) horizontally from the substrate, aim, and pull trigger.
3. Move the can back and forth spraying smoothly. In order to maintain a consistent spray pattern, remove any buildup from the tip, which may occur from spraying.
4. Allow adhesive to dry until there is no adhesive transfer when lightly touched.
5. While can is open, ensure that adhesive is not contaminated by dust. Open time after application is three hours.

Installing Sheet

1. Align the top edge of Protective Wallcovering with chalk line or tape, and then smooth Protective Wallcovering into place by hand.
2. Roll the entire surface with a heavy-duty pressure roller (i.e. Crain #333 extension roller or equivalent). Start from the center of sheet and work out, being cautious to prevent an air pocket from forming under the sheet. Pay particular attention to all edges of sheet.



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Installation Clean-Up

1. Any adhesive residue should be removed immediately while Protective Wallcovering is being installed.
2. Do not allow adhesive to dry on surface of Protective Wallcovering or on tools.
3. Remove adhesive and lay-out mark using warm, soapy water.
4. Dried adhesive may sometimes be removed with mineral spirits or naphtha.

After installation

1. Do not expose walls to elevated temperatures or direct sunlight after installation. This may result in wall surface temperatures in excess of 100°F (38°C), which may cause blistering and distortion of Protective Wallcovering.



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Joint Edge Molding Installation

Moldings should be cut using common power saws with standard blades designed for cutting plywood, or carbide tipped blades. When planning job and cutting molding, leave allowances for intersecting moldings (i.e. where a Division Bar meets J-Molding).

With mastic adhesives or Spray-Lock® 1500:

It is not necessary to apply adhesive to back side of moldings. The adhesive applied onto the wall will be sufficient.

With contact adhesives:

Using small trim brush, apply one coat of contact adhesive to backside of molding and allowed to dry according to instructions on page 25 under "Applying Contact Adhesives." Use caution to prevent adhesive from contacting visible surface of molding.

Butt Joint - No Molding

Can only be accomplished with contact adhesives using .028" (0.7mm) gauge in temperature controlled environments with maximum temperature fluctuation of 10°F (5.6°C). Thicker gauges of Protective Wallcovering or installations with mastic adhesive require a 1/16" (1.6mm) expansion gap between sheets.

J-Molding

Install J-molding by slipping over edge of Protective Wallcovering prior to high pressure rolling. The J-Molding actually is "trapped" between the and the substrate. After J-Molding has been installed, be sure to use a high-pressure roller (i.e. Crain #333 extension roller or equivalent) to roll all surfaces and edges of Wallcovering.

Inside Corner

Install first sheet on wall according to above directions, leaving a 1/16" (1.6mm) gap at interior corner. Slip channel of inside corner onto one side of sheet to be installed on intersecting wall. Install this sheet with corner molding overlapping previously installed sheet. Be sure to leave a 1/16" (1.6mm) gap within molding to allow for expansion.

Outside Corner

Install first sheet on wall according to above directions. Slip channel of outside corner onto one side of sheet to be installed on intersecting wall. Install this sheet with corner molding overlapping previously installed sheet. Be sure to leave a 1/16" (1.6mm) gap within molding to allow for expansion.

Division Bar

Install first sheet onto wall according to above directions. Slip channel of division bar onto one side of next sheet to be installed. Install the second sheet next to first sheet with free leg of division bar overlapping previously installed sheet. Install successive sheets in similar manner. Be sure to leave a 1/16" (1.6mm) expansion gap within molding to allow for expansion.

Color Matched Caulk

Color matched caulk is used in conjunction with, or as an alternative to, color matched moldings. Tooling is recommended to ensure positive contact with joint surfaces. Use soapy water to remove unwanted caulk from surfaces and tools.