

Installation Instructions

Ricochet® Flexible Wall Protection

Ricochet® must be installed by experienced Vinyl Wallcovering (VWC) installers

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July 2019

Important

Ricochet® Must Be installed by experienced Vinyl Wallcovering (VWC) Installers.

This recommended method requires **Roman PRO 935 Primer** and **Roman PRO-555 Extreme Tack Wallcovering Adhesive**.

*Ricochet® product (**RICOCHET®**) installs with techniques similar to Type II wallcovering but is a proprietary construction with key performance advantages. RICOCHET® is packed in 15-yard coreless rolls, one per box, and is intended to be seamed with overlap and double-cut technique.*



Maintain temperature between 65 F and 80 F and humidity between 35-55%, 72 hours before, during and after installation



Do not crease Ricochet material



Not for use with a pasting machine



For circular columns or curved walls, contact your sales representative for restrictions and special techniques



Never install over oil-based, or over any gloss or semi-gloss, paint or primer



Use plastic, not metal, smoothers



Do not wrap corners (For bull-nose corners, see step 17 under installation)



Do not use heat guns



Smooth any bubbling that may occur up to 2 hrs after install

General

- Prep wall to Level 4 finish
- Change cutting blades frequently
- Please read all instructions before proceeding
- Examine the **RICOCHET®** material before proceeding
- Do not leave the material out of the box, to prevent creasing
- Optimal installation may vary with ambient conditions
- Contact distributor for additional details or questions
- *The installer has final responsibility for proper installation and evaluation of jobsite conditions*

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Primer and Adhesive:

Primer: Roman Pro-935 (R-35 Adhesion Promoting Primer)

Adhesive: Roman PRO-555 Extreme Tack Wallcovering Adhesive

Inspect for bubbles up to 2 (two) hours after installation, smoothing out any bubbles with the plastic scraper.

Wall prep and priming:

Wall should be sound, smooth and free of defects. Prep in the same manner as you would for commercial wallcovering installation. All wall surfaces should be structurally sound. Finished plaster should be sanded and smoothed. In order to insure good adhesion, remove old wallcovering and adhesive and loose paint flakes. Be sure to sand to complete removal any surfaces that may have oil-based, or any semi-gloss or gloss, paint or primer.

Surface finishes should be at a minimum of Level 4 (per ASTM C 840-04 Specs). Never install over existing wallcovering, wall protection or other surface finishes. RICOCHET® does not have any approved instructions for installing on non-porous surfaces (such as laminates, brick, metal, or glass).

Do not hang RICOCHET® over ballpoint pen writing, wax crayon, wick pen markings, or foreign matter that may be on the wall. These impurities may interfere with installation and/or bleed through the wallcoverings even a year after installation. It is suggested that lead pencils be used for marking RICOCHET® or walls as the use of a pencil should not produce bleed-through after-effects.

In order to insure maximum smoothness of installation, nail heads, nicks, gouges and other surface imperfections should be sanded smooth and sealed. On new walls, dry wall joints should be taped, bedded and sanded smooth.

- All wall surfaces should be primed with Roman Pro-935 (R-35 Adhesion Promoting Primer)
- After a wall is primed, it must be allowed to dry for 24 hours

Buildings that have moisture infiltration problems are at risk for mold and mildew growth and any such problems must be corrected prior to the installation of commercial wallcovering. This product is intended for use in buildings that are properly designed and maintained to avoid moisture infiltration, condensation and/or accumulation at wall cavities and wall surfaces, particularly in warm, humid climates.

This material is not meant for constant moisture exposure. While incidental splashing is acceptable, constant exposure, such as saunas, shower rooms, etc. can cause moisture entrapment behind the material.

Before installing confirm the following:

1. Store the wallcovering in a clean, dry and protected environment. Do not install if the temperature of both the RICOCHET® and the area to be installed has not been between 65°F and 80°F, with humidity between 35-55%, for at least 72 hours prior the installation, can be maintained during the installation, and at least 72 hours after the installation.

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2. The building should be weather-tight with HVAC settings (including relative humidity) the same as those of an occupied building.
3. Wall surface should be undamaged, smooth, clean, dry, structurally sound, and free of mold, mildew, grease, or stains.
4. Before cutting, be sure the pattern and color are satisfactory as specified.
5. Before hanging, examine pattern for color uniformity and repeat in design. If there is no design repeat (random texture) patterns should normally be reverse hung, specific directions are on the box label. As of 2019, only one of nine standard RICOCHET® patterns is designated as straight-hang.
6. Before installation, verify that wall moisture content does not exceed 4% (using a suitable moisture meter) and that active moisture or water vapor infiltration is not present.
7. Before installation, verify that walls are free from mold and mildew. If mold or mildew is present, or if walls show visible moisture damage, or if moisture content exceeds recommendations, do not proceed with installation until the condition has been fully corrected under the direction of a qualified expert.
8. **All material must be installed in numerical roll sequence starting with the highest number.**
9. **RICOCHET®** is packaged in individual 15-yard rolls. Each roll is in a box designed to protect the product. Do NOT take the product out of the box until it is ready to be installed. If a 15-yard roll must be prematurely taken out of the box, the product roll should be stood vertically, on one end.

Installation:

1. Pre-cut sheets to wall height. All material must be installed in numerical roll sequence starting with the highest number. Avoid the stacking of strips that are cut in advance, as the added weight could cause creasing. **Caution: Do not crease the RICOCHET®!** Any crease is a permanent damage. Do not step on the RICOCHET®.
2. **Apply an even coat of Roman PRO-555 adhesive with a 1/2-inch nap roller or brush to the back of Ricochet®.**
3. Allow approximately 10 minutes booking time, and confirm that the adhesive is dry to tacky to the touch.
4. Position first sheet on wall.
5. **Firmly** smooth **RICOCHET®** using a plastic smoother, **ensuring strong bond to the wall** working out air bubbles. **Re-inspect within 2 hours, and again before leaving the job site, to be sure any air bubbles have been removed and smoothed out.** Avoid the use of metal scrapers and spatulas! If they are absolutely needed, any sharp corners must be filed down to be rounded and smooth.

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6. **Optional:** using blue painters tape for double-cuts: After installing the first sheet, overlap 2 inches of the blue tape over the edge of the first sheet with the remaining width of the blue tape covering over and onto the adjacent exposed wall. The tape on the edge of the first sheet (sheet number one) should protect the face of this sheet from adhesive adhering to its surface while the next sheet (sheet number two) is being installed.
7. Position sheet number two, overlapping sheet number one by approximately two inches at the seam. If smoothing is required to hold the sheet in place, DO NOT smooth heavily over the overlap, as a permanent crease will be formed on the material. **Caution: Remove excess paste immediately.**
8. Position a straight edge where the seam is to be cut.
9. **Using the straight edge as a guide, cut through both sheets, with a new razor blade for each cut, to form a seam**
 - a. Use a straight-edge to guide cutting and to make sure that the cuts are at 90-degrees to the wall. This is very highly recommended, as only a clean, 90-degree, cut creates an exact, evenly fitted, seam.
 - b. **RICOCHET®** is untrimmed. Both match and random patterns must be double cut.
 - c. **MUST** use a new blade for EACH cut. Changing blades as frequently as one-per-drop is highly recommended to maintain clean cuts. This product will dull blades quickly! Dull blades may produce uneven seams, jagged ends, or tearing of the fabric backing.
 - d. Industry standard "X-ACTO" style knives may be used, but the "Seam Buster" (model #51101), a.k.a. "Swedish Knife", is recommended as a back-up tool, to prevent drywall scoring.
10. Remove the trimmed edges and smooth the seam with a plastic smoothing tool.
11. Smooth sheet number two using a plastic smoothing tool. Smooth away from the seam, working toward the edge of where sheet number three will be positioned.
12. Repeat these steps on each subsequent seam.
13. Smooth each sheet before positioning the next sheet, smooth in the direction of the of the next sheet to be installed. For example, if installing left to right, smooth from left to right.
14. If, after applying three (3) strips, there is some question of appearance, stop and contact your local representative.
15. Only full widths of material should be used for the most satisfactory installation. Headers can cause unsatisfactory shading if hung out of sequence; deeply embossed patterns will provide a more satisfactory seam if a selvage cut is taken from each side of the sheet ("double cut"). Do not "score" the drywall.
16. Wrapping all outside corners should NOT be attempted. Butt-matching inside corners provides a good, finished, appearance. Outside corners should be installed as butt-matches with anticipation of using appropriate cornered molding as the finishing process. "PL Premium" construction adhesive is recommended for use with adhering molding (corner guard).

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17. Should a rounded (i.e. “bull-nose”) outside corner [4” minimum radial turn] be encountered, at least 6 inches of material must be applied to the wall BEFORE and AFTER the corner condition. This allows for both adequate adhesion and a better appearance.
18. In case ambient conditions contribute to post-installation air entrapment, or other conditions affecting uniform adhesion, check the installed RICOCHET® from shortly after installation to up to two (2) hours later, smoothing any irregularities. Apply moulding, corner guards, or other final restraints thereafter.

RICOCHET® MAINTENANCE and SURFACE CLEANING

This RICOCHET® product protects against very harsh, non-abrasive chemicals. See list below outlining the progressive use (in preferred order) of potential cleaning solutions.

1. Clear warm water
2. Mild soapy warm water, then rinse
3. Isopropyl Alcohol (a.k.a. rubbing alcohol)
4. “Green” solvent-based cleaning agents, alcohol-based disinfectant sprays, nail polish remover, pine oil, cleaning agents containing household-strength bleach, and mineral spirits, among other options, may progressively be used, but should be thoroughly cleaned up afterwards with clear warm water to avoid residue and/or damage to areas near the RICOCHET®.
5. It is recommended that cleaning be done with a natural sponge, a natural fiber brush, or a synthetic polymer fiber brush in combination with a liquid cleaning agent. Use of a dry, harsh, brush may decrease the life of the RICOCHET®. Do not use a metal brush or scouring pad!
6. A clean cloth or towel should only be used for drying as a follow-up to the use of a natural sponge.

Fixing Bubbles in Wallcovering.

1. Cut a small slit in the bubble with a utility knife.
2. Press on the bubble with a plastic smoother to remove the air from the bubble. If wallcovering was recently installed additional adhesive may not be needed.
3. If the bubble returns, put adhesive in a syringe and squirt adhesive into the opening.
4. Smooth the bubble with a plastic smoother
5. Wipe off excess adhesive with a damp sponge.

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LIMITED WARRANTY FOR RICOCHET®

Subject to the conditions and limitations below and the foregoing RICOCHET® Installation Instructions, Inpro Corporation (INPRO) warrants to the end user that for a period of five years after delivery our Ricochet® product (the "Product(s)) will be free of manufacturing defects, will conform to our published specifications and will not separate from backing or exhibit bleeding or staining caused by defects in the products. Purchaser's sole and exclusive remedy shall be replacement of defective Product or refund of the purchase price.

This limited warranty does not cover and expressly excludes any claim, damage, loss or expense arising out of or relating to: (a) accident or vandalism; (b) abuse, misuse or unapproved use of the product; (c) installation contrary to the Hanging Instructions and good installation practices; (d) mold or mildew; (e) abnormal conditions of use; (f) improper maintenance or failure to maintain; (g) improper storage, handling or shipment; (h) use of incompatible adhesive, materials, tools or equipment; (i) design, installation or construction deficiencies of any kind or nature; and labor in the installation of the Product.

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