

Ricochet™ Flexible Wall Protection

Suggested Specification



- Durable - Superior Impact and Abrasion Resistance.
- Seamless Appearance.
- Colors Coordinate with Corner Guards and Other Wall Protection.
- 48" (1219mm) x 15 yards (13.72 meters) [widths may vary up to 52" (1321mm) based on pattern].
- Stain Resistant.
- Fungal and Bacterial Resistant.
- Meets CAL 01350 for Low VOC Emissions.
- Rigid vinyl top trim available for half height installations.

IPC.2704/REV.7

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PART 1 GENERAL

1.01 SECTION INCLUDES

A. Wall Covering.

1.02 REFERENCE STANDARDS

- A. ASTM D1308-02 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes
- B. ASTM D4060 - Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser
- C. ASTM D5420 - Standard Test Method for Impact Resistance of Flat, Rigid Plastic Specimen by Means of a Striker Impacted by a Falling Weight (Gardner Impact)
- D. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials
- E. ASTM E1428 Standard Test Method for Evaluating the Performance of Antimicrobials in or on Polymeric Solids Against Staining by Streptococcus Reticulum
- F. ASTM G21-15 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi
- G. ASTM G22 Standard Practice for Determining Resistance of Plastics to Bacteria
- H. California Specification 01350 - Standard Method for The Testing And Evaluation Of Volatile Organic Chemical Emissions From Indoor Sources Using Environmental Chambers.
- I. NSF/ANSI 342 Sustainability Assessment for Wallcovering Product

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's product data, including surface preparation and installation instructions.
- B. Samples: Submit manufacturer's samples of each pattern and color of wall coverings specified minimum 8 inches by 10 inches.
- C. Manufacturer's certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- D. Cleaning instructions: Submit manufacturer's cleaning instructions.
- E. Warranty documentation: Submit manufacturer's standard warranty.

1.04 QUALITY ASSURANCE

- A. Manufacturer's qualifications:
1. Manufacturer regularly engaged, for past 5 years, in manufacture of commercial wall coverings.
- B. Installer's qualifications:
1. Installer regularly engaged, for past 5 years, in installation of commercial wall coverings.
 2. Employ persons trained for installation of commercial wall coverings.
- C. Pre-installation meeting:
1. Convene pre-installation meeting before start of installation of wall coverings.
 2. Review surface preparation, testing for and eliminating sources of moisture accumulation into walls, installation, cleaning, protection, and coordination with other work.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and acceptance requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage and handling requirements:
1. Store and handle materials in accordance with manufacturer's instructions.
 2. Keep materials in manufacturer's original, unopened containers and packaging until installation.
 3. Store materials in clean, dry area indoors, out of direct sunlight.
 4. Keep wall coverings clean and dry.
 5. Store materials at normal occupied building temperature and humidity for a minimum of 3 days before installation.

1.06 AMBIENT CONDITIONS

- A. Rooms to receive wall coverings: Weather tight with

HVAC settings, including temperature 65°F-80°F, and relative humidity 35-55%, the same as those of occupied building for 3 days before installation, throughout installation, and maintained after installation of wall coverings. Wall coverings to be stored under these same conditions for 3 days prior to installation.

1.07 WARRANTY

- A. Warranty period: 5 years.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Acceptable Distributor/Manufacturer:
IPC Door and Wall Protection Systems, InPro Corporation,
PO Box 406 Muskego, WI 53150 USA; Telephone:
800.222.5556, Fax: 888.715.8407, www.inprocorp.com
- B. Substitutions: Not permitted
- C. Provide all wall protection from a single source.

2.02 WALL COVERINGS

- A. Wall coverings: Ricochet™ Flexible Wall Protection
1. Finished width: 48 inches.
 2. Inks: HAPS free, Ethyl Acetate.
 3. Low VOC emitting:
 - a. Meets California 01350 Specification for low VOC emissions.
 4. Packaging – 15 yard rolls
- B. Physical Properties:
1. Finished total weight: Fed. Spec. CCC-T-191b 5041.
 - a. Thickness: .032" - .040" (varies by emboss and finish)
 - b. 34 to 38 oz. per linear yard (555g to 620 g/linear m). [varies by emboss and finish]
 2. PVF protective cap film.
 3. Backing Type: Poly/Cotton knit. (77%/23%)
- C. Surface Properties
1. Impact Resistance – ASTM D-5420 – Gardener Drop Dart –24 to 60+ inch-lbs
 2. Abrasion Resistance ASTM D-4060 Taber CS-10f wheel 500 gram load – 200 cycles, 0.02% weight loss.
 3. Chemical Resistance – ASTM D-1308 – 10 cleaning agents, 10 staining agents, after 7 days, no change
 4. Stain Resistance – ASTM D-1308 - 10 cleaning agents, 10 staining agents, after 7 days, no change
 5. Streptococcus Reticulum Stain Resistance – ASTM E1428, No visible stain
- D. Fire Ratings
1. Surface burning characteristics, ASTM E 84: Class A.
 - a. Flame Spread Index: 10
 - b. Smoke Developed Index: 120.
- E. Environment and Health
1. CAL 01350 – Certified
 2. Fungal Resistance – ASTM G-21 – No growth
 3. Bacterial Resistance – ASTM G-22 – No growth
 4. EPD - 3rd Party Certified
 5. HPD – 3rd Party Certified
 6. NSF/ANSI 342 Certified to Wallcovering Association Sustainability Standard
- F. Design:
1. Pattern: Select from Ricochet™ pattern selection.
 - a. Color: Select from Ricochet™ color palette.

2.03 ACCESSORIES

- A. Vinyl:
1. RCRIM-XXXX Top Trim; Length; 8' (2.44m) standard.
- A. Primer:
1. Roman PRO 935 Primer
 - a. Contain mold inhibitor.
 - b. Compatible with wall coverings.
- B. Adhesive:
1. Roman PRO 555 Extreme Tack Wallcovering Adhesive.
 - a. Contain mold inhibitor.
 - b. Compatible with wall coverings.
 - c. Use undiluted.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive wall coverings. Existing

substrates must be sanded to remove prior adhesives and coatings that include oil-based, gloss or semi-gloss paints/primer. Moisture content of the drywall should not exceed 4%. Ricochet cannot be installed over non-porous substrates (such as laminates, impact resistant drywall, brick, metal or glass).

- B. Notify architect of conditions that would adversely affect installation or subsequent use.
- C. Do not begin surface preparation or installation until unacceptable conditions are corrected.

3.02 SURFACE PREPARATION

- A. Surface finishes should be at a minimum of level 4 (per ASTM C840-04 Specifications) and in accordance with manufacturer's instructions. Never install over existing wallcovering, wall protection or other surface finishes.
- B. Ensure walls are structurally sound, smooth, clean, and dry.
- C. Remove mold, mildew, dirt, oil, grease, stains, and marks.
- D. Repair wall irregularities.
- E. NEVER apply primer over oil-based paint/primer.
- F. Test for and eliminate sources of moisture accumulation into wall or wall cavity.
- G. Remove existing wall coverings, including remaining adhesive.
- H. Apply primer to wall surfaces to receive wall coverings 24-hours prior to installation to ensure complete drying.

3.03 INSTALLATION

- A. Install wall coverings in accordance with manufacturer's instructions utilizing experienced Vinyl Wallcovering (VWC) installers.
- B. Wall Preparation:
1. Install a minimum of 3 strips of wall coverings for test.
 2. Inspect wall coverings and evaluate appearance for color uniformity and pattern match. All material must be installed in numerical roll sequence starting with the highest number
 3. Notify Architect and manufacturer if appearance is unacceptable.
 4. Do not begin main installation until unacceptable appearance is corrected.
- C. Install wall coverings under adequate lighting conditions.
- D. Install wall covering strips plumb.
- E. Apply adhesive to back of wall coverings in accordance with manufacturer's instructions
- F. Ensure wall coverings have made good contact to wall smoothing out all bubbles with a plastic smoother. Continue to inspect up to (2) two hours after installation.
- G. Seams:
1. Install wall covering seams vertical, with tight fit.
 2. Install wall covering seams free from air and paste bubbles.
 3. Do not locate seams closer than 6 inches to corners.
 4. Obtain uniform color match associated with patterns across seams.
- H. Remove paste residue from wall coverings, ceilings, and baseboards.
- I. Install wall coverings to obtain uniform color and pattern match across seams.
- J. Install wall coverings with no objectionable variations in color and pattern match, as determined by Architect.
- K. Remove and replace damaged wall coverings that cannot be successfully repaired, as determined by Architect.

3.04 CLEANING

- A. Clean wall coverings promptly after installation, if necessary, in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials, steel wool abrasive cleaners, metal bristled brushes, or methods that could damage wall coverings. SOLVENTS CAN BE USED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

3.05 PROTECTION

- A. Protect BOTH installed AND UNINSTALLED wall coverings from damage during construction.