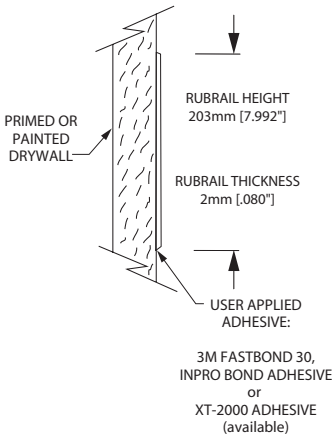
European Palladium® Rigid Vinyl Rubrails

Suggested Specification





- Ideal for those isolated problem areas where additional protection is needed
- Manufactured in 2mm[.080"] thickness, 203mm [7.992"] height, and 2.44m [8'] length
- Fabricated with factory beveled top and bottom edges
- Meets the most rigorous standards and criteria of chemical emissions as prescribed by the GREENGUARD Environmental Institute
- Has been tested and meets GREENGUARD Environmental Institute's and the state of California's requirements for low emitting products as tested by Air Quality Sciences
- Has been tested and meets the GREENGUARD Children & School chemical emissions levels

GREENGUARD® Indoor Air Quality Certified

IPC.4017/REV.1

135-139 Northcorp Blvd, Broadmeadows VIC 3047
03 9334 5911
acculine.com.au

European Palladium® Rigid Vinyl Rubrails

Suggested Specifications

PART 1 - GENERAL
1.01 SUMMARY
A. Rubrails for wall protection and decoration

1.02 SECTION INCLUDES
A. Palladium® Rigid Vinyl Rubrails

1.03 REFERENCES
A. American Society for Testing and Materials (ASTM)
B. National Building Code of Canada (NBC)
C. National Fire Protection Association (NFPA)
D. Society of Automotive Engineers (SAE)
E. Underwriters Laboratory (UL)
F. Underwriters Laboratory of Canada (ULC)
G. Uniform Building Code (UBC)

1.04 SYSTEM DESCRIPTION
A. Performance Requirements: Provide Palladium® Rigid Vinyl Rubrails that conform to the following requirements of regulatory agencies and the quality control of IPC Door and Wall Protection Systems™, InPro Corporation.
1. Fire Performance Characteristics: Provide UL Classified rubrails conforming with the NFPA Class A fire rating. Surface burning characteristics as determined by UL-723 (ASTM E-84), for Rubrails installed with 3M Fastbond 30, InPro Bond Adhesive, or Formulated Solutions, LLC "XT-2000+" Adhesive shall be a maximum flame spread of 20 and a maximum smoke developed of 350 for .060" (1.5mm) thick material. Provide ULC (Canada) listed rubrails conforming to the requirements of the National Building Code of Canada 2010, Subsection 3.1.13. Surface burning characteristics, as determined by CAN/ULC-S102.2, shall be flame spread of 15 and smoke developed of 30.
2. Self Extinguishing: Provide rubrails with a CC1 classification, as tested in accordance with the procedures specified in ASTM D-635-74, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position, as referenced in UBC 52-4-1988.
3. Provide sheet materials that have been tested and results filed in compliance with article 15, part 1120 of the New York State uniform fire prevention and building code. DOS # 09960-930.504.4001.
4. Impact Strength: Provide rigid vinyl sheet materials that have an Impact Strength of 30.4 ft-lbs/inch of thickness as tested in accordance with the procedures specified in ASTM D-256-90b, Impact Resistance of Plastics.
5. Chemical and Stain Resistance: Provide rubrails that show resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
6. GREENGUARD Certified: Provide GREENGUARD Certified material. Profiles shall meet the requirements of GREENGUARD Certification Standards for Low-Emitting Products and GREENGUARD Product Emission Standard for Children & Schools.
7. Fungal and Bacterial Resistance: Provide rigid vinyl that does not support fungal or bacterial growth as tested in accordance with ASTM G-21 and ASTM G-22.
8. Color Consistency: Provide components matched in accordance with SAE J-1545 - (Delta E) with a color difference no greater than 1.0 units using CIE Lab, CIE CMC, CIE LCh, Hunter Lab or similar color space scale systems.

1.05 SUBMITTALS
A. Product Data: Manufacturer's printed product data for each type of Palladium® Rigid Vinyl Rubrail specified.
B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.
C. Samples: Verification samples of Palladium® Rigid Vinyl Rubrails , 8" (203mm) piece, of each type and color indicated.
D. Manufacturer's Installation Instruction: Printed installation instructions for rigid vinyl rubrail.

1.06 DELIVERY, STORAGE AND HANDLING
A. Deliver materials in unopened factory packaging to the jobsite
B. Inspect materials at delivery to assure that specified products have been received.
C. Store in original packaging in a climate controlled location away from direct sunlight.

1.07 PROJECT CONDITIONS
A. Environmental Requirements: Products must be installed in an interior climate controlled environment.

1.08 WARRANTY
A. Standard IPC Limited Lifetime Warranty against material and manufacturing defects.

PART 2 - PRODUCTS
2.01 MANUFACTURER
A. Acceptable Manufacturer: IPC Door and Wall Protection Systems™, InPro Corporation, PO Box 406 Muskego, WI 53150 USA; Telephone: 800.222.5556, Fax: 888.715.8407, Internet address: http://www.inprocorp.com
B. Substitutions: Not permitted
C. Provide all rigid vinyl rubrail and wall protection from a single source.
2.02 MANUFACTURED UNITS
A. Rubrails
1. Palladium® Rigid Vinyl Rubrail
Thickness: 2mm [.080"]
Backing: Unbacked
Height: 203mm [7.992"]
Length: 2.44m [8']

2.03 MATERIALS
A. Vinyl: Rubrails shall be made from chemical and stain-resistant unplasticized polyvinyl chloride (uPVC) with the addition of impact modifiers. No plasticizers shall be added (plasticizers may aid in bacterial growth).

2.04 ACCESSORIES
A. Adhesives
1. 3M Fastbond Contact Cement, a water dispersed contact cement
2. InPro Bond Adhesive, a freeze-thaw stable trowelable adhesive
3. XT-2000+ Adhesive, a freeze-thaw stable trowelable adhesive

2.05 FINISHES
A. Color or pattern of Palladium® Rigid Vinyl Sheet to be selected by the architect from the sheet finish selection. Surface shall have a velvet texture.

PART 3 - EXECUTION
3.01 EXAMINATION
A. Examine areas and conditions in which the rubrail systems will be installed.
1. Complete all finishing operations, including painting, before beginning installation of rubrail system materials.
B. Wall surface shall be dry and free from dirt, grease and loose paint.

3.02 PREPARATION
A. General: Prior to installation, clean substrate to remove dust, debris and loose particles. Paint substrate with a paint or primer that does not contain Polyvinyl Acetate (PVA).

3.03 INSTALLATION
A. General: Locate the rubrail as indicated on the approved detail drawing for the appropriate substrate and in compliance with the IPC installation instructions. Install rubrail level and plumb at the height indicated on the drawings.
B. Installation of Palladium® Rigid Vinyl Rubrails
1. Adhere to substrate with InPro Bond, a freeze-thaw stable, nonflammable, high strength, water based adhesive that trowels on and allows approximately 20 minutes working time before firming.
2. Adhere to substrate with XT-2000+ Adhesive, a freeze-thaw stable, nonflammable, high strength, water based adhesive that trowels on and allows approximately 20 minutes working time before firming.
3. Adhere to substrate with Fastbond 30, a nonflammable, high strength, water-dispersed contact adhesive, with very little odor. Smooth roll surface.

3.04 CLEANING
A. At completion of the installation, clean surfaces in accordance with the IPC clean-up and maintenance instructions.

135-139 Northcorp Blvd, Broadmeadows VIC 3047
03 9334 5911
acculine.com.au