Division 10 26 00
Palladium® Rigid Vinyl Rubrails

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 Palladium® Rigid Vinyl 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 # 09960-930504-4001.
   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.

inpro | ACCULINE
Inpro Engineered. Acculine Adapted.
135-139 Northcorp Blvd, Broadmeadows VIC 3047
03 9334 5911
acculine.com.au

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 Rubrails 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 Palladium® Rigid Vinyl Rubrails.

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. Basis-Of-Design Product: Inpro Corporation, IPC Door and Wall Protection Systems PO Box 406 Muskego, WI 53150 USA; Telephone: 800.222.5556, Fax: 888.715.8407, Website: www.inprocorp.com.
   1. Submit comparable products of one the following for approval by architect:
      a. Insert name of manufacture of comparable product
      b. Submit requests for substitution in accordance with Instructions to Bidders and Division 01 General Requirements
      c. Provide specified product; Owner will not consider substitution requests.

2.02 MANUFACTURED UNITS

Note to Specifier – Update Section Below as Needed and Delete

inpro | ACCULINE
Inpro Engineered. Acculine Adapted.
135-139 Northcorp Blvd, Broadmeadows VIC 3047
03 9334 5911
acculine.com.au

Division 10 26 00
Palladium® Rigid Vinyl Rubrails

A. *Rubrails*
   1. *Palladium® Rigid Vinyl Rubrails Options*
      a. *Thickness (Thickness – Series Number*
         1) *.040" = 3/64" (1mm)-standard - R4*
         2) *.060" = 1/16" (1.5mm)-standard – R6*
         3) *.080" = 5/64" (2mm)-available -R8*
      b. *Backing: Unbacked*
      c. *Height: Maximum 24" (610mm)*
      d. *Length: 8' (2.44m)*

2.03 MATERIALS

A. Vinyl: Palladium® Rigid Vinyl Rubrails shall be manufactured 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). Accent strips when used shall be of polyvinyl chloride (PVC).

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 Rubrails to be selected by the architect from the IPC finish selection. Surface shall have a velvet texture.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Examine areas and conditions in which the Palladium® Rigid Vinyl Rubrails systems will be installed.
   1. Complete all finishing operations, including painting, before beginning installation of Palladium® Rigid Vinyl Rubrails system materials.

B. Wall surface shall be dry and free from dirt, grease and loose paint.

3.02 PREPARATION

A. Surface Prep: Prior to installation, clean the substrate to remove dust, debris and loose particles. Ensure the substrate is sound and per project plans.

B. Acclimate product in temperatures between 65°F and 80°F [18°-27°C] and a humidity level less than 80% 24 hours in advance of installation.

C. The area of installation must temperature and humidity controlled for at least 48 hours after installation

3.03 INSTALLATION

inpro | ACCULINE
Inpro Engineered. Acculine Adapted.

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

Division 10 26 00
Palladium® Rigid Vinyl Rubrails

A. General: Locate the Palladium® Rigid Vinyl Rubrails 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.

END OF SECTION

inpro | ACCULINE
Inpro Engineered. Acculine Adapted.

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