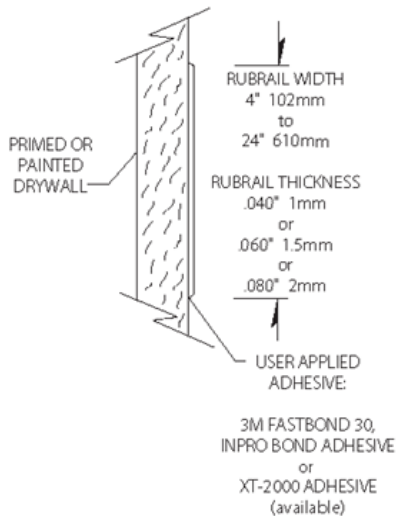


Rigid Vinyl Rubrails



- Ideal for those isolated problem areas where additional protection is needed
- Manufactured in 2" (51mm) increments with heights from 4" (102mm) to 24" (610mm) and 8' (2.44m) lengths
- 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



IPC.468/REV.10

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INPRO
IPC DOOR and WALL
PROTECTION SYSTEMS

Rigid Vinyl Rubrails Suggested Specifications

PART 1 - GENERAL

1.01 SUMMARY

- A. Rubrails for wall protection and decoration

1.02 SECTION INCLUDES

- A. 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 rubrails that conform to the following requirements of regulatory agencies and the quality control of IPC Door and Wall Protection Systems™, InPro Corporation.
- 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.
 - 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.
 - 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.
 - 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.
 - Chemical and Stain Resistance: Provide rubrails that show resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
 - 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.
 - 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.
- 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 rigid vinyl rubrail specified.
 B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.
 C. Samples: Verification samples of rigid vinyl rubrail, 8" (203mm) piece, of each type and color indicated.
 D. Manufacturer's Installation Instructions: 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.

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.02 MANUFACTURED UNITS

- A. Rubrails
 1. Rigid Vinyl Rubrail Options
 Thickness:
 R4 .040" = 3/64" (1mm)-standard
 R6 .060" = 1/16" (1.5mm)-standard
 R8 .080" = 5/64" (2mm)-available
 Backing: Unbacked
 Height: Maximum 24" (610mm)
 Length: 8' (2.44m)

2.03 MATERIALS

- A. Vinyl: Rubrails shall be manufactured from chemical and stain resistant polyvinyl chloride 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 IPC Sheet to be selected by the architect from the IPC 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.

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 Rigid Vinyl Rubrail
 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.

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**InProBond
Mastic Construction Adhesive**

Technical Data Sheet

TYPE OF ADHESIVE: Aqueous construction adhesive

TECHNICAL DATA:

Viscosity: Over 300,000 CPS.@76F Brookfield RVT#7/2 RPM
pH: 5.0 ± 1
Density: 1.05 ± .05
Solids: 61% ± 2%
Color: White
Freeze/Thaw: 5 cycles

PROPERTIES:

InProBond Adhesive is a water based pressure sensitive adhesive designed for wallcovering applications. This product exhibits very aggressive tack and good freeze-thaw stability. InProBond should be applied evenly on substrates with a notched trowel. Application instructions must be followed. This product is environmentally friendly.

HANDLING AND APPLICATION:

Supplied ready for use. Freeze thaw stable.
Application is dependent on humidity and air temperature. Carefully read and understand application instructions. Clean up with warm water when wet. When dry, clean up with InProClean Vinyl Cleaner or mineral spirits.
Meets FDA Section 21 CFR 175- 105 for indirect food contact.

PRECAUTIONS:

Do not mix with other adhesives.

PACKAGING:

5 gallon and 1 gallon pails

STORAGE CONDITIONS:

Rotate Stock, use oldest first.
1 year in unopened container stored in cool dry environment
Keep covered to prevent moisture loss and contamination.

MATERIAL SAFETY DATA SHEET

SECTION I IDENTIFICATION

Manufacturer's Name: InPro Corporation
Address/Phone: S80 W18766 Apollo Dr.
Muskego, WI 53150
262-679-9010
Non Emergency Phone No.: 800-222-5556
Product Class: Acrylic Latex
Trade Name: InProBond Adhesive
Date Revised: 3/4/08

SECTION II HAZARDOUS INGREDIENTS

None per OSHA Regulation: 29 CFR 1910.1200
SARA Title III Section 313 Chemicals: None
NFPA **HMS**
 H = 1
 F = 0
 R = 0

SECTION III PHYSICAL DATA

Boiling Point: 212°F
Evaporation Rate/Vapor Density: Same as water.
Vapor Pressure: Same as water
LBS/GAL: 8.2 – 8.6
Percent Volatile: 38 (by weight)
Odor: Acrylic
Color: White
Grams V.O.C. per liter of material: 0 (calculated)

SECTION IV FIRE AND EXPLOSION HAZARD DATA

DOT Category: Not regulated
Flash Point: N/A
LEL: N/A
Extinguishing Media: Water spray, dry chemical, CO₂ foam
Unusual Fire and Explosion Hazards: None Known
Special Fire Fighting Procedures: Use self contained-breathing apparatus and turn out gear.

SECTION V HEALTH HAZARD DATA

Symptoms of Over Exposure

Eyes: Vapor may cause irritation
Skin: May cause slight irritation
Inhalation: May cause slight irritation of the respiratory tract
Ingestion: Not a likely route of entry under proper handling conditions. May cause vomiting. Symptoms may be same as inhalation.

First Aid Procedures:

Eyes: Flush with water
Skin: Wash with soap and water
Inhalation: Remove to fresh air if needed

SECTION VI REACTIVITY DATA

Stability: Stable
Conditions to avoid: Protect from freezing
Hazardous decomposition products: Oxides of carbon, water, and organic compounds of unknown structure.
Hazardous polymerization: Will not occur
Incompatibility/Materials to avoid: Oxidizing materials

SECTION VII SPILL OR LEAK PROCEDURES

Steps to Be Taken if Material is Spilled: Keep out of sewer systems to prevent blockage due to polymer deposits. Use absorbent materials to collect and contain for salvage or disposal.

Waste Disposal: Abide by all state, federal and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory protection: NIOSH respirator if needed
Ventilation: Local exhaust
Protective gloves: Chemical resistant gloves
Eyes: Goggles
Other protective equipment: None

SECTION IX SPECIAL PRECAUTIONS

Precaution for Handling and Storing: Do not puncture, protect from freezing and excessive heat.

KEEP OUT OF REACH OF CHILDREN

www.inprocorp.com

Vinylseal



Item	Description
580	10.3oz Cartridge
561	Caulk Gun

BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS FOR DETAILED USE AND HEALTH INFORMATION. SILICONIZED ACRYLIC LATEX GRADE PVC JOINT SEALANT INTENDED FOR USE ON IPC RIGID VINYL SHEET AND PROFILE PRODUCTS.

IMPORTANT: This product may stain adjacent walls or wallcovering. Masking of these areas may be necessary. Test an inconspicuous area to see if staining will occur.

USE LIMITATIONS: Not for underwater use; whole joint size not to exceed 1/4"; do not take internally; keep out of reach of children.

NOTICE TO PURCHASER: Manufacturers and Sellers liability for damages hereunder shall not exceed the purchase price of the goods used. Manufacturers and Seller warrant only that the goods will be free from defects in material. The foregoing warrant is in lieu of all other warranties, expressed or implied, including those of merchantability of fitness for any purpose not expressly set forth herein. No liability is assumed by Manufacturer or Seller except as expressly stated herein. In no event shall damages arising out of or in connection with the use of this product by user, buyer's user, or any other person.

Two year shelf life: Stored at 40-90°F in a dry place

Coverage: approximately 25 linear ft. (1/4" bead)

1. Surfaces to be sealed must be free of dirt, dust, oil, wax and other such substances.
2. Caulk should be applied at room temperature, allowing at least 24 hours to fully cure.
3. Applying caulk to IPC profile products that are mounted to an aluminum retainer: Remove vinyl cover and apply masking tape where joint will appear. Snap on vinyl cover and proceed to Step 4.
4. Use masking tape or similar to control caulk in desired joint area. This will ease in clean-up, lessen joint size, and eliminate possible staining to wall or wallpaper.
5. Cut spout to desired bead size. NOTE: Apply caulk directly to joint. Cut spout at 45° angle for faster and easier application.
6. As required, use moistened fingers or putty knife and tool within 20 minutes. Remove masking tape.
7. Clean-up any excess with a damp cloth before caulk fully cures.

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