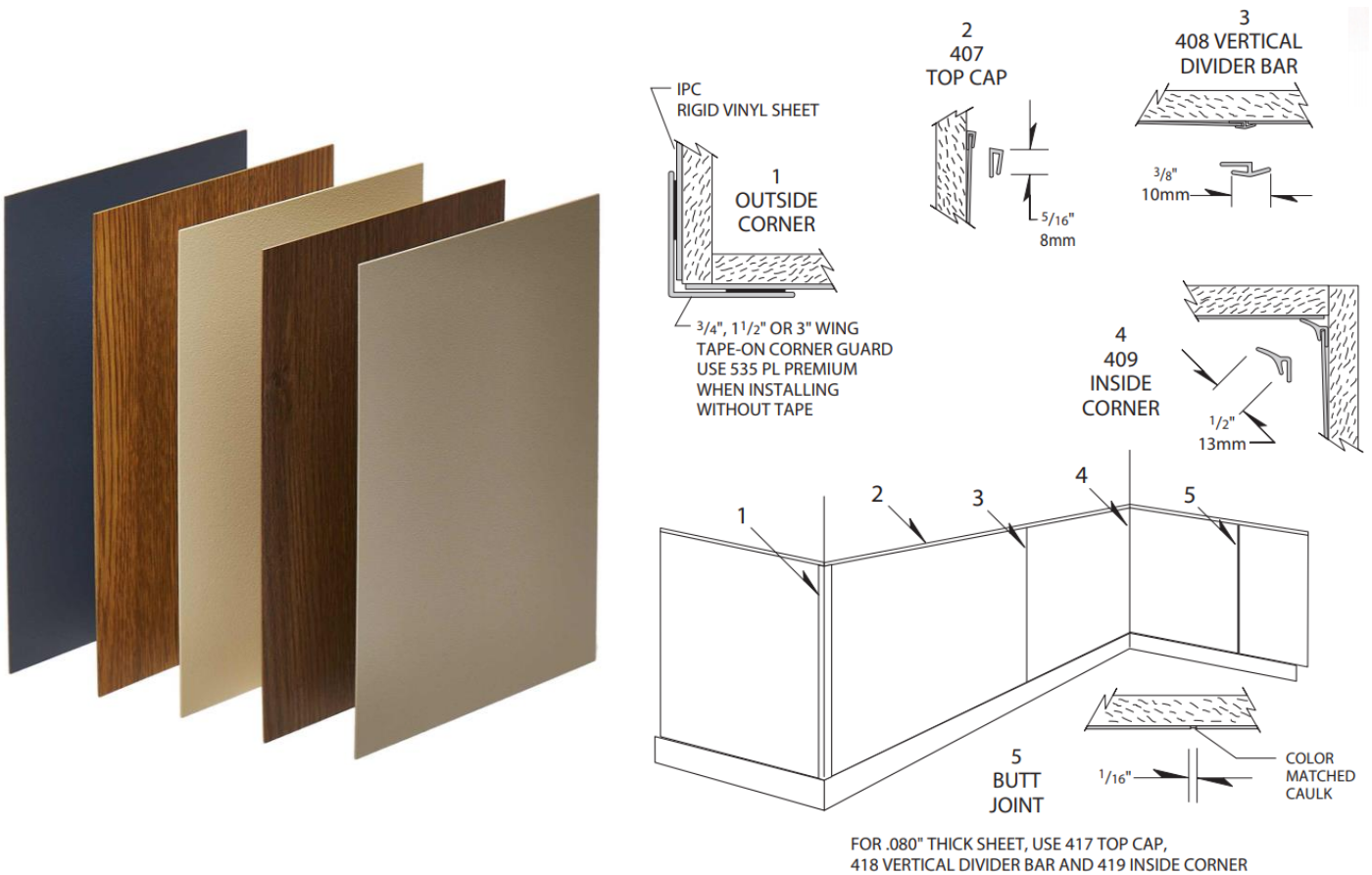


Palladium Rigid Vinyl Sheet

Wall Protection



- Provides reliable wall protection and is durable, long lasting and easy to clean
- Available in standard 910mm and 1220mm widths and 2440mm lengths. Custom lengths and rolls up to 36m available
- Standard thicknesses of 1mm and 1.5mm. Also available in custom thickness of 0.8mm and 2mm if required.
- Vinyl, Aluminium and Stainless Steel trim accessories available
- Scratch and stain resistant rigid vinyl
- 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



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Wall Protection

PART 1 – GENERAL

1.01 SUMMARY

A. Palladium® Rigid Vinyl Sheet for wall protection and decoration

1.02 SECTION INCLUDES

A. Palladium® Rigid Vinyl Sheet

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 Sheet systems 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 Palladium® Rigid Vinyl, conforming with BCA to Group 1 fire rating as a wall lining. Suitable for use on Class 9a Hospital buildings, tested in accordance with ISO9705. Surface burning characteristics as determined by UL-723 (ASTM E-84), for Palladium® Rigid Vinyl Sheet 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 1.5mm thick material. Provide ULC (Canada) listed Palladium® Rigid Vinyl Sheet 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 Palladium® Rigid Vinyl Sheet 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 Palladium® Rigid Vinyl Sheet that has 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 Palladium® Rigid Vinyl Sheet that shows 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 Palladium® Rigid Vinyl Sheet that does not support fungal or bacterial growth as tested in accordance with ASTM G-21 and ASTM G-22.
8. Colour Consistency: Provide components matched in accordance with SAE J-1545 - (Delta E) with a colour difference no greater than 1.0 units using CIE Lab, CIE CMC, CIE LCh, Hunter Lab or similar colour space scale systems.

1.05 SUBMITTALS

- A. Product Data: Manufacturer's printed product data for each type of Palladium® Rigid Vinyl Sheet specified.
- B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.

C. Samples: Verification samples of Palladium® Rigid Vinyl Sheet, 203mm square, of each type and colour indicated.

D. Manufacturer's Installation Instruction: Printed installation instructions for Palladium® Rigid Vinyl Sheet.

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 SUPPLIER

A. Acculine Architectural Systems: 135-139 Northcorp Blvd, Broadmeadows VIC 3047, Telephone: (03) 9334 5911, www.acculine.com.au

2.02 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, www.inprocorp.com

B. Substitutions: Not permitted

C. Provide all Palladium® Rigid Vinyl Sheet and wall protection from a single source.

2.03 MANUFACTURED UNITS

A. Rigid Vinyl Sheet

1. Palladium® Rigid Vinyl Sheet Options
Item # Dimensions Thickness

305 3'x8' (.91m x 2.44m) .040" = 3/64" (1mm), available
306 3'x8' (.91m x 2.44m) .060" = 1/16" (1.5mm), available
403 4'x8' (1.22m x 2.44m) .030" = 1/32" (.8mm), available
405 4'x8' (1.22m x 2.44m) .040" = 3/64" (1mm), standard
406 4'x8' (1.22m x 2.44m) .060" = 1/16" (1.5mm), standard

410 4'x8' (1.22m x 2.44m) .080" = 5/64" (2mm), available
Also available:

3' x 10' (.91m x 3.04m) sheets - thickness, .040" (1mm) and .060" (1.5mm)

3' x 80' (.91m x 24.3m) rolls - thickness, .060" (1.5mm)

3' x 120' (.91m x 36.5m) rolls - thickness, .040" (1mm)

4' x 10' (1.22m x 3.04m) sheets - thickness, .030" (.8mm), .040" (1mm), .060" (1.5mm) and .080" (2mm)

4' x 80' (1.22m x 24.3m) rolls - thickness, .060" (1.5mm)

4' x 120' (1.22m x 36.5m) rolls - thickness, .030" (.8mm), and .040" (1mm)

Custom sizes – available

Backing – unbacked

2. Accessories:

A. Vinyl

407 Top Cap; Length: 2440mm (8') standard, 3048mm (10') available

408 Vertical Divider Bar; Length: 2440mm (8') standard, 3048mm (10') available

409 Inside Corner; Length: 2440mm (8') standard, 3048mm (10') available

417 Top Cap for 2mm (.080") sheet; Length: 2440mm (8') standard, 3048mm (10') available

418 Vertical Divider Bar for 2mm (0.080") sheet; Length: 2440mm (8') standard, 3048mm (10') available

419 Inside Corner for 2mm (0.080") sheet; Length: 2440mm (8') standard, 3048mm (10') available

B. Stainless Steel

4075S Stainless Steel Top Cap; Length: 2440mm (8') standard

408SS Stainless Steel Vertical Divider Bar; Length: 2440mm (8') standard

C. Faux Metal (vinyl)

407M Metallic Top Cap; Length: 2440mm (8') standard

408M Metallic Vertical Divider Bar; Length: 2440mm (8') standard

409M Metallic Inside Corner; Length: 2440mm (8') standard

D. Aluminium

407A Aluminium Top Cap; Length: 2440mm (8') standard, 3048mm (10') available.

408A Aluminium Vertical Divider Bar; Length: 2440mm (8') standard, 3048mm (10') available.

409A Aluminium Inside Corner; Length: 2440mm (8') standard, 3048mm (10') available.

420A Aluminium Outside Corner; Length: 2440mm (8') standard, 3048mm (10') available.

E. Outside Corners 3448, 3496, 11248 or 11296 Outside Corner

F. Colour Matched Caulk

2.04 MATERIALS

A. Vinyl: Palladium® Rigid Vinyl Sheet 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).

2.05 ACCESSORIES

A. Top caps, inside corners, divider bars and outside corners shall be made of extruded PVC.

B. Stainless steel top caps shall be made of #400 series stainless steel.

C. Stainless steel vertical divider bars shall be #400 series stainless steel on galvanized steel.

D. Aluminium top caps, inside corners, divider bars shall be extruded from 6063-T5 aluminium.

2.06 FINISHES

A. Colour or pattern of Palladium® Rigid Vinyl Sheet to be selected by the architect from the Palladium® Rigid Vinyl Sheet finish selection. Surface shall have a velvety texture.

B. Vinyl Accessories: Top caps, inside corners, divider bars and outside corners shall be of a colour matching the IPC.

C. Stainless Steel Accessories: Top caps and divider bars shall have a polished finish.

D. Aluminium Accessories: Top caps, inside corners and divider bars shall be clear anodized.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Examine areas and conditions in which the rigid vinyl sheet will be installed.

1. Complete all finishing operations, including painting, before beginning installation of rigid vinyl sheet 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 Palladium® Rigid Vinyl Sheet as indicated on the approved detail drawing for the appropriate substrate and in compliance with the IPC installation instructions. Install level and plumb at the height indicated on the drawings.

B. Installation of Palladium® Rigid Vinyl Sheet

1. Adhere to substrate with InPro Bond, a freeze-thaw stable, non-flammable, high strength, water-based adhesive that trowels on and allows approximately 20 minutes working time before firming.

2. Adhere to substrate with XT-2000+, a freeze-thaw stable, non-flammable, high strength, water-based adhesive that trowels on and allows approximately 20 minutes working time before firming.

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3. Adhere to substrate with Fastbond 30, a non-flammable, high strength, water-dispersed contact adhesive, with very little odour. Smooth roll surface.

3.04 CLEANING

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