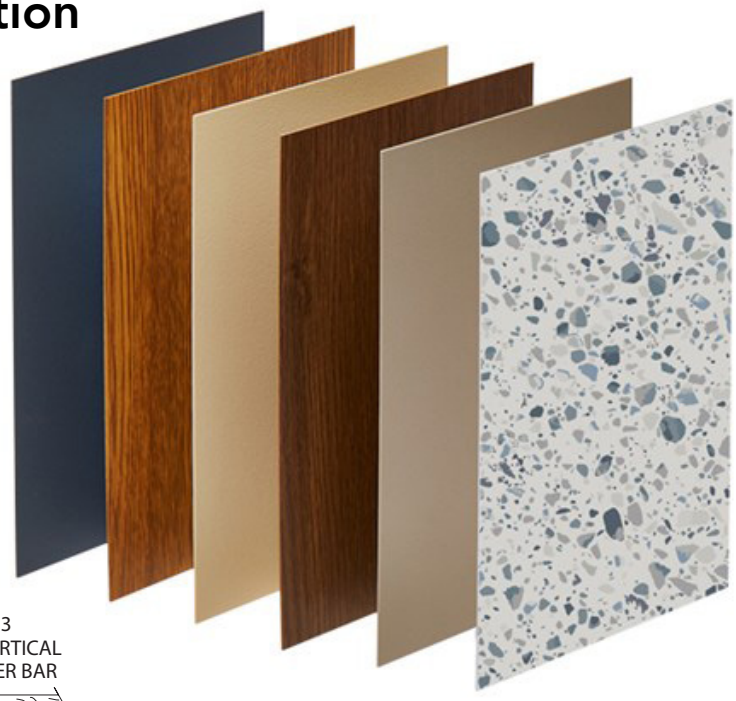
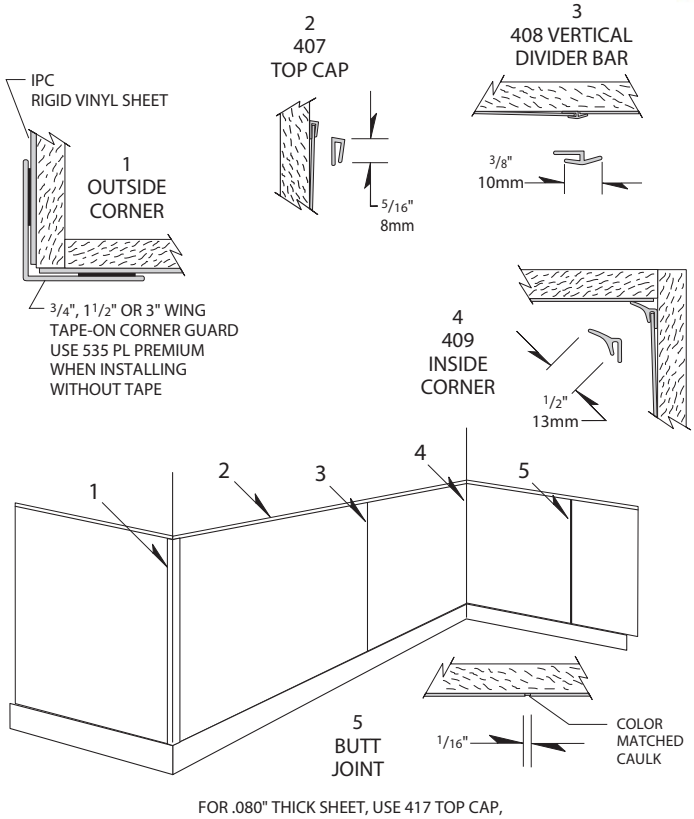
# Palladium® Rigid Vinyl Sheet

## Suggested Specification

## Cape Cod Systems Corporation

## Tel. 1-888-227-8555






FOR .080" THICK SHEET, USE 417 TOP CAP,
418 VERTICAL DIVIDER BAR AND 419 INSIDE CORNER

- Provides reliable wall protection and is durable, long lasting and easy to clean
- Available in standard 3' (.91m) and 4' (1.22m) widths and 8' (2.44m) lengths. Custom lengths and rolls up to 120' (36m) available
- Standard thicknesses of .030 (.8mm), .040 (1mm) & .060 (1.5mm), .080 (2mm) thickness also available
- Available in Solid Colors, Wood Grains, and Patterns. See inpro.com for complete finish selection
- Vinyl, Aluminum and Stainless Steal 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

GREENGUARD® Indoor Air Quality Certified

# Palladium® Rigid Vinyl Sheet

## Suggested Specifications

**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 UL Classified Palladium® Rigid Vinyl Sheet conforming with the NFPA Class A fire rating. 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 .060" (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. 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 Sheet specified.
B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.
C. Samples: Verification samples of Palladium® Rigid Vinyl Sheet , 8" (203mm) square, of each type and color 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** 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.

**2.02** 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), standard
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)
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: 8' (2.44m) standard, 10' (3.04m) available
408 Vertical Divider Bar; Length: 8' (2.44m) standard, 10' (3.04m) available
409 Inside Corner; Length: 8' (2.44m) standard, 10' (3.04m) available
417 Top Cap for .080" sheet; Length: 8' (2.44m) standard, 10' (3.04m) available
418 Vertical Divider Bar for .080" sheet; Length: 8' (2.44m) standard, 10' (3.04m) available
419 Inside Corner for .080" sheet; Length: 8' (2.44m) standard, 10' (3.04m) available
B. Stainless Steel
407SS Stainless Steel Top Cap; Length: 8' (2.44m) standard
408SS Stainless Steel Vertical Divider Bar; Length: 8' (2.44m) standard
C. Faux Metal (vinyl)
407M Metallic Top Cap; Length: 8' (2.44m) standard
408M Metallic Vertical Divider Bar; Length: 8' (2.44m) standard
409M Metallic Inside Corner; Length: 8' (2.44m) standard
D. Aluminum
407A Aluminum Top Cap; Length: 8' (2.44m) standard,
10' (3.04m) available.
408A Aluminum Vertical Divider Bar; Length: 8' (2.44m) standard, 10' (3.04m) available.
409A Aluminum Inside Corner; Length: 8' (2.44m) standard, 10' (3.04m) available.
420A Aluminum Outside Corner ; Length: 8' (2.44m) standard, 10' (3.04m) available.
E. Outside Corners
3448, 3496, 11248 or 11296 Outside Corner
F. Color Matched Caulk

**2.03** MATERIALS
A. Vinyl: Palladium® Rigid Vinyl Sheet 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. 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. Aluminum top caps, inside corners, divider bars shall be extruded from 6063-T5 aluminum.

**2.05** FINISHES
A. Color 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 velvet texture.
B. Vinyl Accessories: Top caps, inside corners, divider bars and outside corners shall be of a color matching the IPC.
C. Stainless Steel Accessories: Top caps and divider bars shall have a polished finish.
D. Aluminum 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. Paint substrate with a paint or primer that does not contain Polyvinyl Acetate (PVA).

**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, 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+, 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.