

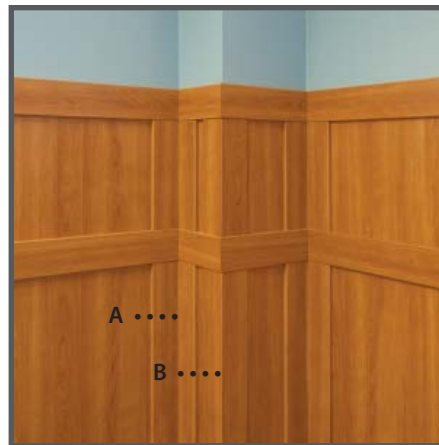
# Palladium™ 3D Wall System



- Provides a low-maintenance, permanently mounted system that coordinates with existing door and wall protection products
- Offers the durable protection of rigid sheet membrane-pressed onto MDF board, withstanding daily abuse from wheelchairs, carts, luggage and more
- Moldings available in various thicknesses, lengths and widths to suit any application
- Horizontal boards have optional pre-cut notch for ease of installation over existing rigid sheet or other existing wall cladding
- Carries a Class A fire rating and offers high impact and scratch resistant protection



Factory Finished Edge



A. Inside Corner | B. Outside Corner



Accent Trim Pieces

IPC.476/REV.6

# Palladium™ 3D Wall System

## Suggested Specifications

### PART 1 - GENERAL

#### 1.01 SUMMARY

A. Wall system for wall protection and decoration  
1.02 SECTION INCLUDES

- A. Palladium Full Height Wall System
- B. Palladium Partial Height Wall System
- C. Palladium Wall System with Vertical Joints Using Color Matched Caulk

#### 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 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 IPC Rigid Vinyl Sheet conforming with the NFPA Class A fire rating. Surface burning characteristics as determined by UL-723 (ASTM E-84), for IPC 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 IPC 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. Fire Performance Characteristics: Provide Palladium 3D Boards conforming with the NFPA Class A fire rating. Surface burning characteristics as determined by ASTM E-84 shall be flame spread of 25 and smoke developed of 400.
3. Self Extinguishing: Provide 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.
4. 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.
5. Impact Strength: Provide IPC 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.
6. Chemical and Stain Resistance: Provide rigid vinyl sheet that show resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
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 IPC Rigid Vinyl Sheet specified.

- B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.
  - C. Samples: Verification samples of IPC Rigid Vinyl Sheet, 8" (203mm) square, of each type and color indicated.
  - D. Manufacturer's Installation Instruction: Printed installation instructions for IPC 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 IPC Rigid Sheet and wall protection from a single source.

#### 2.02 MANUFACTURED UNITS

- A. Rigid Sheet
  - 1. IPC Rigid 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
  - 404 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
  - 10-foot sheets, 80-foot rolls, 120-foot rolls and custom sizes available.
- Backing – unbacked
- B. Moldings
  - 1. Palladium 3D Boards
  - a. Description, Thickness, Width, Length
  - Horizontal Board – ½" thick, 2", 3", 4", 6" or 8" wide, 96" long.
  - Horizontal Top Cap Board – 3/8" thick, 2", 3", 4", 6" or 8" wide, 96" long.
  - Horizontal Decorative Molding Board - 1/2" thick x 2.5" wide, 96" long.
  - Vertical Boards – 3/8" thick, 2", 3", 4", 6" or 8" wide, 96" long.
  - Vertical Decorative Molding Board - 3/8" thick x 2.5 wide, 96" long.
  - Inside Corners Partial Height – 3/8" thick, 2", 3", 4", 6" or 8" wide, 96" long.
  - Inside Corners Full Height – 5/8" thick, 2", 3", 4", 6" or 8" wide, 96" long.
  - Outside Corners Partial Height – 3/8" thick, 2", 3", 4", 6" or 8" wide, 96" long.
  - Outside Corners Full Height – 5/8" thick, 2", 3", 4", 6" or 8" wide, 96" long.
  - Trim Shoe, 5/8" thick x 2" wide, 96" long.
  - Trim Cap#2, 1/2" thick x 2" wide, 96" long

#### 2.03 MATERIALS

A. Vinyl: IPC Rigid 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).

#### 2.04 Molding

A. Palladium 3d Boards: 3D boards shall be made from .040" IPC Rigid Sheet factory bonded to MDF Board. MDF board shall have No Added Urea Formaldehyde.

#### 2.05 FINISHES

- A. 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.
- B. Color or pattern of Palladium 3D Wall Boards to be selected by the architect from the IPC finish selection. Surface shall have a velvet texture. Back of 3D molding shall be black melamine.

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

A. Examine areas and conditions in which the Palladium 3D Wall System 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 3D Wall System 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.

#### 3.04 CLEANING

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