

# Palladium® Square Edge Panel System

Adhesive Mount, Aluminum Trim



- Aesthetically Pleasing
- Cost Effective
- Field Modified
- 3/8" (9.5mm) Panels made from .040" Rigid Sheet permanently bonded to FR Particle board
- Fabric Panels, Acoustical/Tackable
- Dry Erase Panels, Magnetic/Non-magnetic
- Aluminum Trim
  - Flush Trim, clear and black anodized;
  - Reveal Trim, clear anodized
  - Fineline Trim, clear anodized
- Panels meet the Greenguard Certification and Greenguard Gold Certification criteria for building products and interior finishes.



IPC.1621/REV.4

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DOOR + WALL PROTECTION SYSTEMS  
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# Palladium® Square Edge Panel System

## Suggested Specification

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Wall Panel System for wall protection and decoration

#### 1.2 SECTION INCLUDES

- A. Palladium® Square Edge Wall Panel System, Adhesive Mount, Aluminum Trim Pieces
1. Palladium® Square Edge Panels
  2. Square Edge Fabric Panels, Tackable
  3. Square Edge Non-Magnetic Dry Erase Panels
  4. Square Edge Magnetic Dry Erase Panels

#### 1.3 REFERENCES

- A. American Society for Testing and Materials (ASTM)  
B. National Fire Protection Association (NFPA)  
C. Society of Automotive Engineers (SAE)

#### 1.4 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide Palladium® Square Edge Wall Panel Systems that conform to the following requirements of regulatory agencies and the quality control of IPC Door and Wall Protection Systems, Inpro Corporation.

#### 1. Palladium® Square Edge Wall Panel System

- a. Fire Performance Characteristics: Provide Palladium® Square Edge Panels conforming to the NFPA Class A fire rating. Surface burning characteristics as determined by ASTM E-84 shall be flame spread of 15 and smoke developed of 400.
- b. Chemical and Stain Resistance: Provide rigid vinyl that shows resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
- c. 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.
- d. 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.
- e. Greenguard Certification: Provide Greenguard Certified material. Palladium® Square Edge Panels shall meet the Greenguard Certification and Greenguard Gold Certification criteria for building products and interior finishes.

#### 2. Square Edge Fabric Panels

- a. Fire Performance Characteristics: Provide Square Edge Fabric Panels conforming with the NFPA Class A fire rating. Surface burning characteristics as determined by ASTM E-84 shall be flame spread of 0 or less and smoke developed of 5 or less.
- b. Acoustical Properties: Provide Square Edge Fabric Panels that shall have a Noise Reduction Coefficient (NRC) rating of .45 when tested in accordance with ASTM C423.
- c. Fungi Resistance: Provide Square Edge Fabric Panels that are fungi resistant when tested in accordance with ASTM C1338 Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings

#### 1.5 SUBMITTALS

- A. Product Data: Manufacturer's printed product data for each type of Palladium® Square Edge Wall Panel System specified.

- B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.

- C. Samples: Verification samples of Palladium® Square Edge Wall Panel, 6" (152mm) square, of each type and color indicated.

- D. Manufacturer's Installation Instruction: Printed installation instructions for Palladium® Square Edge Wall Panel Systems.

#### 1.6 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.

#### 1.7 PROJECT CONDITIONS

- A. Environmental Requirements: Products must be installed in an interior climate controlled environment.

#### 1.8 WARRANTY

- A. Standard IPC Limited Lifetime Warranty against material and manufacturing defects.

### PART 2 - PRODUCTS

#### 2.1 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® Wall Panel Systems and wall protection from a single source.

#### 2.2 MANUFACTURED UNITS

- A. Palladium® Square Edge Wall Panels, Adhesive Mount
1. Palladium® Square Edge Panel System: Provide panel system with .375" (9.5 mm) thick panels. Panel shall be constructed of .040" thick rigid vinyl sheet permanently bonded to front surface of particleboard. Back of panel shall be .040" thick rigid vinyl sheet.  
Sizes – 46" (1168mm) x 94" (2387mm) and 46" (1168mm) x 118" (2997mm)
  2. Square Edge Fabric Panels: Provide acoustical and tackable fabric panel system with .375" (9.5mm) thick panels. Panels shall be constructed of a polyester core with fabric permanently adhered to the surface. Panel core material shall include a minimum of 60% post-consumer recycled content.  
Sizes – 48" (1219mm) x 48" (1219mm) and 48" (1219mm) x 96" (2438mm)
  3. Square Edge Non-Magnetic Dry Erase Panels: Provide dry erase panel system with .375" (9.5mm) thick panels. Panels shall include a balanced, high-pressure, factory-laminated dry erase board assembly with 3-ply construction consisting of backing sheet, core material, and a face sheet. Face sheet shall have a durable gloss finish that is highly resistant to ghosting and staining.
    - a. Face Sheet: Color, white.
    - b. Core Material: 3/8"(9.52 mm) fiberboard material.

- c. Backing Sheet: 0.003 inch (0.1mm) thick manufacturer's standard moisture barrier.
- d. Sizes: 48"(1219mm) x 48"(1219mm), 48"(1219mm) x 96"(2438mm)

4. Square Edge Magnetic Dry Erase Panels: Provide Magnetic Dry Erase panel system with .375" (9.5mm) thick panels. Panels shall include a balanced, high-pressure, factory-laminated dry erase board assembly with 3-ply construction consisting of backing sheet, core material, and a laminated 24-gauge steel face sheet. Face sheet shall have a durable gloss finish that is highly resistant to ghosting and staining.

- a. Face Sheet: Laminated 24 gauge steel sheet.
- b. Color: White.
- c. Core Material: 3/8"(9.52 mm) thick fiberboard material.
- d. Backing Sheet: 0.003 inch (0.1mm) thick manufacturer's standard moisture barrier.
- e. Sizes: Specify, maximum – 48"(1219mm) x 144"(3657mm)

#### B. Palladium® Square Edge Trim

1. Provide extruded aluminum trim for installation of Palladium® Square Edge Panel System.

#### a. Flush Trim.

- 1) Description, exposed surface, Length
  - a) Outside Corner, 15/16" (23.8mm) exposed surface, 8' (2.43m) or 12' (3.65m)
  - b) Inside Corner, 9/16" (14.3mm) exposed surface, 8' (2.43m) or 12' (3.65m)
  - c) Divider Bar, 1/2" (12.7mm) exposed surface, 8' (2.43m) or 12' (3.65m)
  - d) Ledge Trim, 1/2" (12.7mm) exposed surface, 8' (2.43m) or 12' (3.65m)
  - e) Top Cap (for less than full height installations), 1/2" (12.7mm) exposed surface, 8' (2.43m) or 12' (3.65m)
1. Flush trim shall be black or clear anodized.

#### b. Reveal Trim, 3/8" (9.50mm)

- 1) Description, exposed surface, Length
  - a) Outside Corner, 3/8" (9.5mm) exposed surface, 10' (2.54m)
  - b) Inside Corner, 3/8" (9.5mm) exposed surface, 10' (2.54m)
  - c) Divider Bar, 3/8" (9.5mm) exposed surface, 10' (2.54m)
  - d) End Caps, 3/8" (9.5mm) exposed surface, 10' (2.54m)
- (1) 3/8"(9.5mm) Reveal trim shall be clear anodized.

#### c. Reveal Trim, 3/4" (19mm)

- 1) Description, exposed surface, Length
  - a) Outside Corner, 3/4" (19mm) exposed surface, 10' (2.54m)
  - b) Inside Corner, 3/4" (19mm) exposed surface, 10' (2.54m)
  - c) Divider Bar, 3/4" (19mm) exposed surface, 10' (2.54m)
  - d) End Caps, 3/4" (19mm) exposed surface, 10' (2.54m)
- (1) 3/4" (19mm) Reveal trim shall be clear anodized.

#### d. Finline Trim

- 1) Description, exposed surface, Length
- a) Outside Corner, 9/16" (14mm) exposed surface, 10' (2.54m)
- b) Inside Corner, 5/64" (2mm) exposed surface, 10' (2.54m)
- c) Divider Bar, 5/64" (2mm) exposed surface, 10' (2.54m)

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d) End Cap, 9/16" (14mm) exposed surface, 10' (2.54m)  
(1) Finline Reveal trim shall be clear anodized.

### 2.3 MATERIALS

- A. Palladium® Square Edge Wall Panel System: Panels shall be made from .040" IPC Rigid Sheet factory bonded to fire rated particleboard. Particleboard shall have No Added Urea Formaldehyde.
- B. 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).
- C. Aluminum: Aluminum trim pieces shall be extruded from 6063-T5 aluminum.
- D. Fabric Panel Core: Fabric panel core shall be non-woven, thermally bonded 100% polyester. Panel core material shall include a minimum of 60% post-consumer recycled content.
- E. Fabric Panel Fabrics:
1. Touchstone Fabric shall be 100% post-consumer recycled polyester
  2. Paramount Fabric shall be 35% post-consumer and 65% pre-consumer recycled polyester.
  3. Essential Fabric shall be 100% polypropylene.
- F. Dry Erase Panels
1. Non-magnetic Panels: Non-porous, high gloss, dry erase surface shall be bonded to fiberboard material.
  2. Magnetic Panels: Non-porous, high gloss, dry erase surface shall be laminated to 24 gauge steel that is bonded to fiberboard material.

### 2.4 FINISHES

- A. Color or pattern of Palladium® Square Edge Wall Panels to be selected by the architect from the IPC finish selection. Surface shall have a velvet texture. Selected patterns shall have a smooth texture. Back of panels shall be black.
- B. Color of aluminum trim pieces to be selected by the architect from the IPC finish selection. Aluminum trim shall be clear or black anodized.
- C. Fabric Panels: Color and pattern of fabric to be selected by the architect from the IPC Square Edge Fabric Panel fabric selection.
- D. Dry Erase Panels: Dry erase surface shall be white, high gloss and non-porous.

### 2.5 ACCESSORIES

- A. PL Premium Adhesive  
B. Double-sided adhesive foam tape

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine areas and conditions in which the Palladium® Square Edge Wall Panels will be installed.
1. Complete all finishing operations, including painting, before beginning installation of panels.
  2. Wall surface shall be dry and free from dirt, grease and loose paint.

#### 3.2 PREPARATION

- A. General: Prior to installation, clean substrate to remove dust, debris and loose particles.

#### 3.3 INSTALLATION

- A. General: Locate the Palladium® Square Edge Wall Panels 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.

#### 3.4 CLEANING

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

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