

G2 Palladium™ 3D Wall System

Suggested Specifications



Shown with the 800 Handrail and Beadboard Palladium Sheet

- Made with G2 BioBlend™, Inpro's exclusive blend of PETG and biopolymer.
- 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 B fire rating and offers high impact and scratch resistant protection
- G2 Material available in standard solid colors..



IPC.1384/REV.6

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PART 1 - GENERAL

1.01 SUMMARY

A. Wall system for wall protection and decoration

1.02 SECTION INCLUDES

- A. G2 Palladium Full Height Wall System
- B. G2 Palladium Partial Height Wall System
- C. G2 Palladium Wall System with Vertical Joints Using Color Matched Caulk

1.03 REFERENCES

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

1.04 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide IPC EnviroGT G2 Sheet that conforms 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 sheet material conforming with the NFPA Class A fire rating. Surface burning characteristics, as determined by ASTM E-84, shall be flame spread of 25 or less and smoke development of 450 or less.
 - 2. Fire Performance Characteristics: Provide G2 Palladium 3D Boards conforming with the NFPA Class B fire rating. Surface burning characteristics as determined by ASTM E-84 shall be flame spread of 65 and smoke developed of 400.
 - 2. Impact Strength: Provide materials that have been tested in accordance with the applicable provisions of ASTM D-256, Impact Resistance of Plastics.
 - 3. Chemical and Stain Resistance: Provide material that shows resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
 - 4. Fungal and Bacterial Resistance: Provide material that does not support fungal or bacterial growth as tested in accordance with ASTM G-21 and ASTM G-22.
 - 5. GREENGUARD Certified: Provide GREENGUARD Certified sheet. Sheet shall meet the requirements of GREENGUARD Certification Standards for Low-Emitting Products and GREENGUARD Product Emission Standard for Children & Schools.
 - 6. 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 G2 Sheet specified.
- B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.
- C. Samples: Verification samples of G2 Sheet, 8" (203mm) square, of each type and color indicated.
- D. Manufacturer's Installation Instruction: Printed installation instructions for G2 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 G2 Sheet and wall protection from a single source.

2.02 MANUFACTURED UNITS

- A. Rigid Sheet
 - 1. G2 Sheet Options
 - Item # Dimensions Thickness
 - G2-305 3'x8' (.91m x 2.44m) .040" = 3/64" (1mm), available
 - G2-306 3'x8' (.91m x 2.44m) .060" = 1/16" (1.5mm), available
 - G2-405 4'x8' (1.22m x 2.44m) .040" = 3/64" (1mm), standard
 - G2-406 4'x8' (1.22m x 2.44m) .060" = 1/16" (1.5mm), standard
 - G2-410 4'x8' (1.22m x 2.44m) .080" = 5/64" (2mm), available
- 80-foot rolls, 120-foot rolls and custom sizes available.

Backing – unbacked

B. Moldings

1. G2 Palladium 3D Boards

- a. Description, Thickness, Width, Length
 - Horizontal Board – 9/16" thick, 2", 3", 4", 6" or 8" wide, 96" long.
 - Horizontal Top Cap Board – 7/16" thick, 2", 3", 4", 6" or 8" wide, 96" long.
 - Horizontal Decorative Molding Board - 9/16" thick x 2.5" wide, 96" long.
 - Vertical Boards – 7/16" thick, 2", 3", 4", 6" or 8" wide, 96" long.
 - Vertical Decorative Molding Board - 7/16" thick x 2.5 wide, 96" long.
 - Inside Corners Partial Height – 7/16" thick, 2", 3", 4", 6" or 8" wide, 96" long, 90° and 135°.
 - Inside Corners Full Height – 11/16" thick, 2", 3", 4", 6" or 8" wide, 96" long, 90° and 135°.
 - Outside Corners Partial Height – 7/16" thick, 2", 3", 4", 6" or 8" wide, 96" long, 90° and 135°.
 - Outside Corners Full Height – 11/16" thick, 2", 3", 4", 6" or 8" wide, 96" long, 90° and 135°.
 - Trim Shoe, 11/16" thick x 2" wide, 96" long.
 - Trim Cap#2, 9/16" thick x 2" wide, 96" long

2.03 MATERIALS

- A. BioPolyPETG+™ sheet material shall be extruded from chemical and stain-resistant reformulated PETG.

2.04 Molding

- A. G2 Palladium 3d Boards: 3D boards shall be made from .040" G2 Rigid Sheet factory bonded to MDF Board. MDF board shall have No Added Urea Formaldehyde (NAUF).

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.
- B. Color or pattern of G2 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 G2 Palladium 3D Wall Panels will be installed.

- 1. Complete all finishing operations, including painting, before beginning installation of G2 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 G2 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.