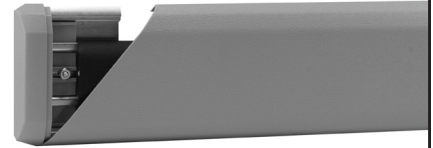
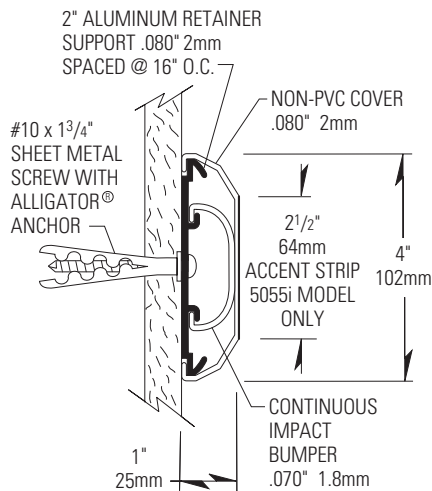


# G5000i Wall Guards



G5000i



- ▶ Manufactured from non-PVC material for an environmental alternative
- ▶ Offer a cost-effective alternative without sacrificing impact resistance with an abbreviated aluminum retainer
- ▶ Unique, chiseled shape provides a sleek, innovative look
- ▶ Coordinate interiors with 100 standard colors



IPC.608/REV.1



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# G5000i Wall Guards

## Suggested Specifications

### PART 1 - GENERAL

#### 1.01 SUMMARY

- A. Non PVC wall guard system for wall protection and decoration

#### 1.02 SECTION INCLUDES

- A. G5000i Wall Guard System

#### 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 wall guard systems that conform to the following requirements of regulatory agencies and the quality control of InPro Corporation.
1. Fire Performance Characteristics: Provide wall guard conforming with the NFPA Calls A fire rating. Surface burning characteristics, as determined by ASTM E-84, shall be flame spread of 10 and smoke development of 300.
  2. Impact Strength: Provide profile materials that have an Impact Strength of 19 ft-lbs/inch of thickness as tested in accordance with the procedures specified in ASTM D-256, Impact Resistance of Plastics.
  3. Chemical and Stain Resistance: Provide Non PVC material that shows resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
  4. Fungal and Bacterial Resistance: Provide Non PVC 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 Non PVC profiles. Non PVC profiles 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 wall guard specified.  
B. Detail Drawings: Mounting details with the appropriate fasteners for specific project substrates.  
C. Samples: Verification samples of wall guard, 8" (203mm) long, in full size profiles of each type and color indicated.  
D. Manufacturer's Installation Instruction: Printed installation instructions for each wall guard.

#### 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 InPro Limited Lifetime Warranty against material and manufacturing defects.

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURER

- A. Acceptable Manufacturer: 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 wall guards and wall protection from a single source.

#### 2.02 LEED Criteria

- A. Provide wall guard systems with components that have recycled content.

1. MR Credit 4.1, 10%(post-consumer + 1/2 pre-consumer), 1 credit
2. MR Credit 4.2, 20%(post-consumer + 1/2 pre-consumer), 1 credit

#### 2.03 MANUFACTURED UNITS

##### A. Wall Guard Profile

1. G5000i Infinity System Wall Guard, 4" (102mm) height x 1" (25mm) depth, and abbreviated aluminum retainer.

#### 2.04 MATERIALS

- A. Polycarbonate/acrylonitrile butadiene styrene (PC/ABS): Snap on cover of .080" (2mm) thickness shall be extruded from chemical and stain resistant PC/ABS. Inner snap-on impact bumper of .070" (1.8mm) thickness shall be extruded from chemical and stain resistant PC/ABS.
- B. Aluminum: 2" aluminum retainer supports for 5000i Infinity System of .080" (2mm) thickness shall be fabricated from 6063-T5 aluminum, with a mill finish.

#### 2.05 COMPONENTS

- A. End caps, inside corners and outside corners shall be made of injection molded thermoplastics.  
B. Fasteners: All mounting system accessories appropriate for substrates indicated on the drawings shall be provided.

#### 2.06 FINISHES

- A. Covers: Colors of the wall guard to be selected by the architect from the InPro EnviroGT finish selection. Surface shall have a pebblette texture.  
B. Inner Impact Bumper: Color of the inner impact bumper to be black.  
C. Molded Components: End caps, inside corners and outside corners shall be of a color matching the wall guards. Surface shall have a pebblette texture.

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

- A. Examine areas and conditions in which the wall guard systems will be installed.

1. Complete all finishing operations, including painting, before beginning installation of wall guard system 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 wall guard as indicated on the approved detail drawing for the appropriate substrate, and in compliance with the InPro installation instructions. Install wall guard level and plumb at the height indicated on the drawings.

- B. Installation of G5000 Wall Guard:

##### G5000i Wall Guard

Material must be stored, installed and used in environmentally controlled conditions.

- B. Installation of G5000i Wall Guards:

1. Determine the height of the top of the wall guard above the finished floor. Deduct 2" (51mm) and snap a chalk line at that height.
2. Use 6 aluminum retainer supports per 12' (3.66m) length, spaced 27" (686mm) on center. Mark the location of mounting holes on the chalk line. At the beginning and end of each run allow 1-7/16" (37mm) for end caps, 9/16" (14mm) for outside corners, and 1-1/2" (38mm) for inside corners. Allow 1/16" (1.6mm) between end caps/corners and the aluminum retainer support in order to allow for adjustments when attaching the vinyl cover. NOTE: When mounting on concrete or brick, drill 1/4" (6mm) holes, 3/8" (9.5mm) from each end of the retainer at the correct centerline location for end caps or corners.
3. Drill 1/4" (6mm) holes at each mark. Position AL-LIGATOR anchors into the holes on the wall and use #10 x 1-3/4" Phillips pan head screw to attach each aluminum retainer support to the wall. Level and tighten the aluminum retainer supports to the wall. 4. Slide the end caps and corners onto the aluminum supports, leaving a 1/16" (1.5mm) gap for adjustments, and secure by using two 1-1/4" self-tapping screws per end cap or four per corner. NOTE: To mount on concrete or brick, use the #10 x 1-3/4" Phillips pan head screws to secure end caps or corners.
5. Cut the vinyl impact bumper to the distance between the inside edge of end caps and corners. Position the vinyl impact bumper on the inner aluminum retainer guides at one end. Work to the other end by pushing the impact bumper over the aluminum guides until it snaps into place.
6. Cut the vinyl cover to the distance between the end caps and corners. NOTE: Trim all factory edges square before installation. Position the vinyl cover on the support assembly to check the fit. Adjust end caps and corners to obtain a tight fit. Position the vinyl cover on one end of the aluminum retainer supports and work to the other end by pushing the cover over the aluminum until it snaps into place.

