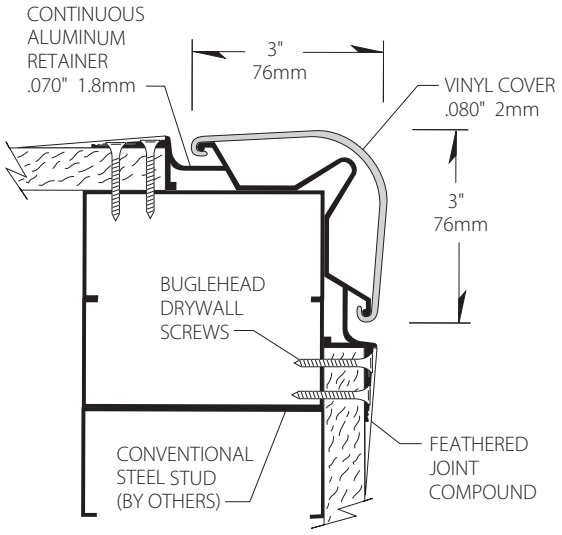
170F Flush Mount Bullnose

Corner Guard



- Provides 3" (76mm) wing with 90° bullnose corner protection
- Mounted on a sturdy .070" (1.8mm) pre-punched continuous aluminum retainer
- .080" (2mm) thick scratch and stain resistant rigid vinyl cover
- Manufactured in 4' (1.22m), 8' (2.44m), 9' (2.74m) and 12' (3.66m) standard heights, custom heights and angles available
- All mounting fasteners are included with each order
- Available in 100 standard colors and Woodland patterns
- 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

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World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

IPC™
DOOR + WALL PROTECTION SYSTEMS

170F Flush Mount Bullnose Corner Guard

Suggested Specifications

PART 1 - GENERAL
1.01 SUMMARY
A. Corner guard system for wall protection
1.02 SECTION INCLUDES
A. 170F Flush Mount Bullnose Corner Guard System
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 corner guard 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 corner guards conforming with NFPA Class A fire rating. Surface burning characteristics, as determined by UL-723 (ASTM E-84), shall be flame spread of 10 and smoke development of 350 - 450. Provide ULC (Canada) listed corner guards 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 35.
2. Self Extinguishing: Provide corner guards 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. Impact Strength: Provide rigid vinyl profile materials that have an Impact Strength of 30.2 ft-lbs/inch of thickness as tested in accordance with the procedures specified in ASTM D-256-90b, Impact Resistance of Plastics.
4. Chemical and Stain Resistance: Provide corner guards that show resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
5. 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.
6. 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.
7. 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 corner guard specified.
B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.
C. Samples: Verification samples of corner guard, 8" (203mm) long, in full size profiles of each type and color indicated.
D. Manufacturer's Installation Instruction: Printed installation instructions for each corner 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 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 corner guards and wall protection from a single source.
2.02 MANUFACTURED UNITS
A. Corner Guard System
1. 170F Flush Mount Corner Guard Profile
3" (76mm) x 3" (76mm) 90 degree Bullnose
4' (1.22m), 8' (2.44m), 9' (2.74m) and 12' (3.66m) standard heights
Custom heights and angles available
2.03 MATERIALS
A. Vinyl: Snap on cover of .080" (2mm) thickness shall be extruded from chemical and stain resistant polyvinyl chloride with the addition of impact modifiers. No plasticizers shall be added (plasticizers may aid in bacterial growth).
B. Aluminum: Continuous aluminum retainer of .070" (1.8mm) thickness shall be fabricated from 6063-T5 aluminum, with a mill finish.
2.04 COMPONENTS
A. Cove Base Retainer: Optional cove base retainer shall be fabricated from 6063-T5 aluminum with a mill finish.
B. Closure Cap: Optional closure cap shall be fabricated from .032"(.8mm) thick aluminum
C. Fasteners: All mounting system accessories appropriate for substrates indicated on the drawings shall be provided.
2.05 FINISHES
A. Vinyl Cover: Color of corner guard to be selected by the architect from the IPC finish selection. Surface shall have a pebblette texture.

PART 3 - EXECUTION
3.01 EXAMINATION
A. Examine areas and conditions in which the corner guard systems will be installed.
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 corner guard as indicated on the approved detail drawings for the appropriate substrate, and in compliance with the IPC installation instructions. Install corner guard level and plumb.
B. Installation of 170F Flush Mount Bullnose Corner Guard:
1. Drywall installation: Drywall must be installed $2^{3}/_{8}$" (60mm) back from the corner of the stud.
2. Position the aluminum retainer in the recess formed by the drywall. The mounting flange of the retainer rests over the edge of the drywall. If you are using the aluminum cove base retainer, snap it on the aluminum retainer before attaching the retainer to the studs.
3. Attach the aluminum retainer to the studs using $1^{1}/_{4}$" bugle head drywall screws, 18" (457mm) on center, through the pre-punched holes on the mounting flange.
4. Cover the mounting flange with joint compound. Feather and finish with the surface of the drywall. When installing flush mount corner guards at less than ceiling height, use the optional closure cap. Attach the closure cap to the top of the aluminum retainer with $1^{1}/_{4}$" Phillips round head self tapping screws through each mounting tab. Feather and finish the exposed edge of the closure cap with the surface of the drywall. Alternately, standard drywall trim may be used to finish the top edge. Appropriate use of trim will aid in the feathering of joint compound to the corner guard vinyl.
5. After the joint has been finished, position the vinyl cover over the aluminum retainer. Push the vinyl cover over the aluminum, pressing over the entire length until the vinyl snaps securely in place.
3.04 CLEANING
A. At completion of the installation, clean surfaces in accordance with the IPC clean-up and maintenance instructions.

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