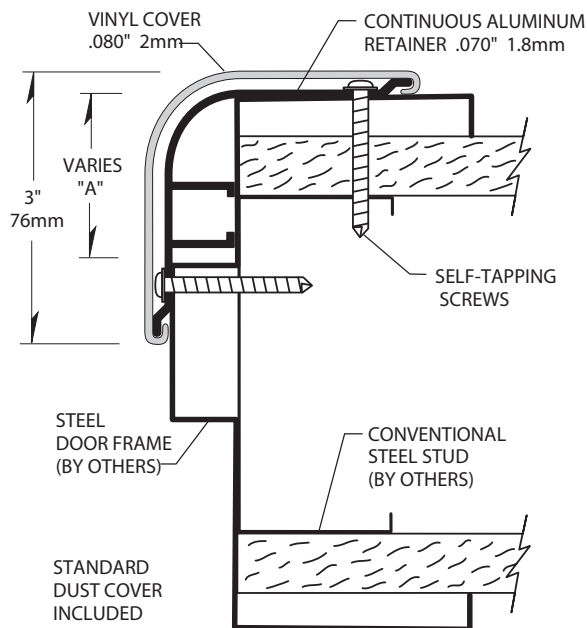
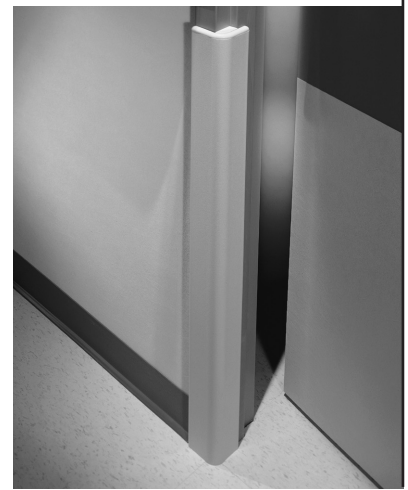


# 1700 High Impact

## Door Frame Guard



- Provides 3" (76mm) door protection
- Mounted on a sturdy .070" (1.8mm) preslotted continuous aluminum retainer
- .080" (2mm) thick scratch and stain resistant rigid vinyl cover
- Manufactured in 3' (.91m), 4' (1.22m) and 8' (2.44m) standard heights
- UL & cUL (Canada accepted) as cladding material
- All mounting fasteners, dust cap and top and bottom caps are included with each order

IPC.440/REV.4

# 1700 High Impact Door Frame Guard

## Suggested Specifications

### PART 1 - GENERAL

#### 1.01 SUMMARY

A. Door frame guards for door protection

#### 1.02 SECTION INCLUDES

A. 1700 High Impact Door Frame 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. Underwriters Laboratory, Canada Accepted (cUL)

H. Uniform Building Code (UBC)

#### 1.04 SYSTEM DESCRIPTION

A. Performance Requirements: Provide door frame 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 door frame 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 door frame 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. Fire Performance Characteristics: Provide UL Classified Cladding Material for fire door and fire door frames intended for application on listed door frames used with hollow metal and steel covered composite type fire doors rated up to 3 hours in accordance with UL 10B. Provide cUL (Canada accepted) Cladding Material intended for application on listed fire doors frames used on hollow metal and steel composite type fire doors rated up to 3 hours in accordance with CAN4-S104-M80.

3. Fire Performance Characteristics: Provide UL Classified Cladding Material for doors and door frames intended for application on classified door frames used with wood composite and wood core type fire doors rated up to 1-1/2 hours in accordance with UL 10B. Provide cUL (Canada accepted) Cladding Material intended for application on classified wood composite and wood core type fire doors rated up to 1-1/2 hours in accordance with CAN4-S104-M80.

4. Self Extinguishing: Provide door frame 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.

5. 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.

6. Chemical and Stain Resistance: Provide door frame guards 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 door frame guard specified.

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

C. Samples: Verification samples of door frame guard, 8" (203mm) long, of each type and color indicated.

D. Manufacturer's Installation Instruction: Printed installation instructions for door frame guards

#### 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, Internet address: <http://www.inprocorp.com>

B. Substitutions: Not permitted

C. Provide all door frame guards and wall protection from a single source.

#### 2.02 MANUFACTURED UNITS

A. Door Frame Guards

1. 1700 High Impact Door Frame Guard Profile, 3" (76mm) x 3" (76mm) 90 degree Bullnose Standard heights: 3' (.91m), 4' (1.22m) and 8' (2.44m), custom heights available

#### 2.03 MATERIALS

A. Vinyl: Snap on cover of .080" (2mm) thickness shall be extruded from chemical and stain resistant poly-vinyl chloride with the addition of impact modifiers. No plasticizers shall be added (plasticizers may aid in bacterial growth).

B. Aluminum: Continuous aluminum retainer of .080" (2mm) thickness shall be fabricated from 6063-T5 aluminum, with a mill finish.

#### 2.04 COMPONENTS

A. Top caps, bottom caps and dust covers shall be made of injection molded thermoplastics.

B. Fasteners: All mounting system accessories appropriate for substrates indicated on the drawings shall be provided.

#### 2.05 FINISHES

A. Vinyl Covers: Colors of the corner guard to be selected by the architect from the IPC finish selection. Surface shall have a pebble texture.

B. Molded Components: Top caps, bottom caps and dust covers shall be of a color matching the door frame guards.

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

A. Examine areas and conditions in which the door frame guard will be installed.

1. Complete all finishing operations, including painting, before beginning installation of door frame guard system materials.

B. Frame 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 and debris.

#### 3.03 INSTALLATION

A. General: Locate door frame guard as indicated on approved detail drawings for the appropriate substrate, and in compliance with the IPC installation instructions. Install door frame guard level and plumb at the height indicated on drawings.

B. Installation of 1700 High Impact Door Frame Guard:

1. Cut the dust cap from the square end to the proper length.

2. Position the aluminum retainer on the steel door frame allowing 5/16" (8mm) from the bottom for the bottom cap.

3. Secure the retainer to the steel door frame using self-tapping screws.

4. Slide the dust cap and top cap together and attach it to the aluminum retainer using two flat head self-tapping screws. Do the same for the bottom cap.

5. Position the vinyl cover over the aluminum retainer. Starting at the top push the vinyl cover over the aluminum until it snaps into place.

#### 3.04 CLEANING

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