160DBN BluNose
End Wall Protector

- 2" (51mm) wing
- Provides superior end wall protection with two BluNose High Impact Corner Guards
- Mounted on a .070" (1.8mm) thick continuous vinyl retainer with a co-extruded Biopolymer Flex PVC apex
- Vinyl retainer is four times stronger than our aluminum retainer and six times stronger than any other vinyl 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 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
160DBN BluNose End Wall Protector

**Suggested Specifications**

**PART 1 - GENERAL**

**1.01 SUMMARY**
A. End wall protector system for wall protection

**1.02 SECTION INCLUDES**
A. 160DBN BluNose End Wall Protector System

**1.03 REFERENCES**
A. American Society for Testing and Materials (ASTM)
B. National Building Code of Canada (NBCC)
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 end wall protectors that conform to the following requirements of regulatory agencies and the quality control of IPC Door and Wall Protection Systems, inProCorporation.

1. Fire Performance Characteristics: Provide UL Classified end wall protectors conforming with NFPA Class A fire rating. Surface burning characteristics, as determined by UL-723 (ASTME-84), shall be flame spread of 10 and smoke development of 300 to 450. Provide ULC (Canada) listed end wall protectors conforming to the requirements of the National Building Code of Canada (UBC) 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 Sheet, Rigid Vinyl Sheet conforming with the NFPA Class A fire rating. Surface burning characteristics, as determined by UL-723, for Sheet installed with 3M Fastbond 30, shall be flame spread of 10 and smoke development of 95-140 for 0.072” (1.8mm) thick material or flame spread of 15 and smoke development of 300 for 0.060” (1.5mm) thick material. For Sheet installed with Super Tek Products, XT-2000 adhesive, shall be flame spread of 20 and smoke development of 60-105 for 0.072” (1.8mm) thick material or flame spread of 20 and smoke development of 250 for 0.060” (1.5mm) thick material. Provide ULC (Canada) listed Sheet 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 30.

3. Self-Extinguishing: Provide end wall protectors with a CC1 classification, as tested in accordance with the procedures specified in ASTM D-435-74, Standard Test Method for Rate of Burning ofWalls and Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position, as referenced in UBC 52.4-1988.

4. System Impact Resistance: Provide an end wall protector system with corner guards that resist an impact of 153.9 ft-lbs while producing no visual deformations in the vinyl retainer, as tested in accordance with the procedures specified in ASTM D-256, Impact Resistance of Plastics.

5. Impact Strength: Provide rigid vinyl profile materials that have an Impact Strength of 302 ft-lbs/inch of thickness as tested in accordance with the procedures specified in ASTM D-256, Impact Resistance of Plastics.

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

7. Chemical and Stain Resistance: Provide end wall protectors that show resistance to stain when tested in accordance with applicable provisions of ASTM D-543.

8. 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.

9. 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 Lch, Hunter Lab or similar color space scales.

**1.05 SUBMITTALS**
A. Product Data: Manufacturer’s printed product data for each type of end wall protector specified.
B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.
C. Samples: Verification samples of end wall protector, 8” (203mm) long, in full size profiles of each type and color indicated.
D. Manufacturer’s Installation Instruction: Printed installation instructions for each end wall protector.
E. DELIVERY, STORAGE AND HANDLING
A. Deliver materials in unopened factory packaging to the site.
B. Store in original packaging in a climate controlled environment.
C. Keep product in original packaging until ready for installation.

**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: 800.543.1729, Fax: 888.715.8407, www.inprocorp.com
B. Substitutions: Not permitted
C. Provide all end wall protectors and wall protection from the manufacturer that conform to the following requirements of regulatory agencies and the quality control of IPC Door and Wall Protection Systems.

**2.02 MANUFACTURED UNITS**
A. Acceptable Manufacturer: IPC Door and Wall Protection Systems, inPro Corporation, PO Box 406 Muskego, WI 53150 USA; Telephone: 800.543.1729, Fax: 
888.715.8407, www.inprocorp.com
B. Fasteners: All mounting system accessories appropriate for substrates indicated on the drawings shall be provided.

**PART 3 - EXECUTION**

**3.01 EXAMINATION**
A. Examine areas and conditions where end wall protector will be installed.

1. Complete all finishing operations, including painting, before beginning installation of end wall protector system materials.

2. 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 and debris.

**3.03 INSTALLATION**
A. General: Locate the end wall protector as indicated on the approved detail drawing for the appropriate substrate and in compliance with the IPC installation instructions. Install end wall protector level and plumb at the height indicated.

B. Installation of the 160DBN BluNose End Wall Protectors:
1. Adhere sheet material to the wall with factory applied adhesive backing or recommended IPC adhesive Fastbond 30 Contact Cement or XT-2000 Adhesive.
2. Position the vinyl retainer against the wall, allowing 1/16” (1.8mm) clearance (to allow for movement and expansion in the vinyl retainer to prevent the end wall protector from being bent or twisted). Fasten the retainer to the wall with 11/4” phillips head, self-tapping screws if mounting on drywall. Use 6 screws per 4’ (1.22m) length, 10 screws per 8’ (2.44m) length, or 12 screws per 9’ (2.74m) length. Use the slotted tabs on the top and bottom cap as a template to transfer holes onto the retainer. Holes should be staggered 1/4” on each wing.
3. Secure the retainer to the wall using 1/4” (6mm) screws through the retainer.
4. Attach the top and bottom caps to the vinyl retainer using two, 1/4” (6mm) phillips head, self-tapping screws per cap if mounting on drywall. The mounting tabs for the top and bottom caps overlap the retainer.
5. Position the vinyl cover on the vinyl retainer to check the fit. Adjust the top cap on the retainer to obtain a tight fit with the vinyl cover. Starting at the top, push the vinyl cover over the retainer, pressing over the entire length until the vinyl snaps securely into place. Attach the second corner guard in the same manner.

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