

Aspex™ Wall Protection

Suggested Specification



- Matte Finish for Protected Clear Graphics
- .040" (1mm) PETG Sheet
- Non-PVC Ink
- Polyester Backer
- 4' (1.22m) x 10' (3.05m) sizes

IPC.2014/REV.5

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PART 1 – GENERAL

1.01 SUMMARY

- A. Digitally printed sheet for wall protection and decoration

1.02 SECTION INCLUDES

- A. IPC Aspex™ Wall Protection

1.03 REFERENCES

- A. American Society for Testing and Materials (ASTM)
B. National Fire Protection Association (NFPA)

1.04 SYSTEM DESCRIPTION

A. Performance Requirements: Provide wall protection that conforms to the following requirements of regulatory agencies and the quality control of InPro Corporation.

1. Fire Performance Characteristics: Provide Aspex™ Wall Protection conforming with the NFPA Class A fire rating. Surface burning characteristics as determined by ASTM E-84, for Aspex™ Wall Protection installed with, InPro Bond Adhesive shall be a maximum flame spread of 25 and a maximum smoke developed of 450.
2. Chemical and Stain Resistance: Provide Aspex™ Wall Protection that show resistance to stain when tested in accordance with applicable provisions of ASTM D-543.
3. Graffiti Resistance: Provide Aspex™ Wall Protection that show resistance to staining agents when tested in accordance with applicable provisions of ASTM D6578.
4. Fungal and Bacterial Resistance: Aspex™ Wall Protection 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 Aspex™ Wall Protection. Material shall meet the requirements of GREENGUARD Certification Standards for Low-Emitting Products and GREENGUARD Product Emission Standard for Children & Schools.
6. Taber Abrasion Resistance: Provide Aspex™ Wall Protection that shows resistance to abrasion when tested to applicable provisions of ASTM D 4060.
7. System Impact Resistance: Provide Aspex™ Wall Protection that resists an impact of 66.13 ft-lbs while producing an indentation of less than 3/8" as tested in accordance with applicable provisions of ASTM F 476-84, Impact Test.

1.05 SUBMITTALS

- A. Product Data: Manufacturer's printed product data for each type of Aspex™ Wall Protection specified.
- B. Detail Drawings: Mounting details with the appropriate adhesives for specific project substrates.
- C. Samples: Verification samples of Aspex™ Wall Protection, 8" (203mm) square, of each type and color indicated.
- D. Manufacturer's Installation Instruction: Printed installation instructions for Aspex™ Wall Protection.

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.
Note: Small blemishes or marks may be present in the material. If any aesthetic flaws are present, the criteria followed for acceptance is that they are not visible when the panels are positioned as they will be in the install and viewed from 10 feet away.

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 Aspex™ Wall Protection from a single source.

2.02 MANUFACTURED UNITS

A. Digitally Printed Sheet

1. IPC Aspex™ Wall Protection Dimensions Thickness 48" x 120" (1.22m x 3.04m) .040" (1mm), standard Backing – Digitally reverse printed with protective backing.

2. Accessories:

- A. Non PVC
1. G2-407 Top Cap; Length: 8' (2.44m) standard, 10' (3.04m) available
2. G2-408 Vertical Divider Bar; Length: 8' (2.44m) standard, 10' (3.04m) available
3. G2-409 Inside Corner; Length: 8' (2.44m) standard, 10' (3.04m) available
- B. Vinyl
1. 407 Top Cap; Length: 8' (2.44m) standard, 10' (3.04m) available
2. 408 Vertical Divider Bar; Length: 8' (2.44m) standard, 10' (3.04m) available
3. 409 Inside Corner; Length: 8' (2.44m) standard, 10' (3.04m) available
- C. Stainless Steel

1. 407SS Stainless Steel Top Cap; Length: 8' (2.44m) standard
2. 408SS Stainless Steel Vertical Divider Bar; Length: 8' (2.44m) standard
- D. Aluminum
1. 407A Aluminum Top Cap; Length: 8' (2.44m) standard, 10' (3.04m) available.
2. 408A Aluminum Vertical Divider Bar; Length: 8' (2.44m) standard, 10' (3.04m) available.
3. 409A Aluminum Inside Corner; Length: 8' (2.44m) standard, 10' (3.04m) available.
4. 420A Aluminum Outside Corner; Length: 8' (2.44m) standard, 10' (3.04m) available.
- E. Outside Corners
1. Non-PVC : G2-3448, G2-3496, G2-11248 or G2-11296 Outside Corners
2. Vinyl: 3448, 3496, 11248 or 11296 Outside Corners
- F. Color Matched Caulk

2.03 MATERIALS

- A. PETG sheet material shall be extruded from chemical and stain-resistant PETG with a matte finish. Rigid sheet shall be reverse printed by Inpro with customer supplied digital graphics. Printed sheet shall have a protective backing.

2.04 ACCESSORIES

- A. Non-PVC Top caps, vertical divider bars and inside corners: Accessory trim pieces shall be extruded

from chemical and stain resistant non-PVC thermoplastic.

- B. Vinyl top caps, inside corners, divider bars and outside corners shall be made of extruded PVC.
- C. Stainless steel top caps shall be made of #400 series stainless steel.
- D. Stainless steel vertical divider bars shall be #400 series stainless steel on galvanized steel.
- E. Aluminum top caps, corners, divider bars shall be extruded from 6063-T5 aluminum.
- F. Clear or Color matched Caulk

2.05 FINISHES

- A. Customer Supplied Digital Graphics: High definition digital files shall be reverse printed on clear PETG sheet and sealed with a protective backer. Customer to supply custom artwork, with copyright clearance. Adobe Illustrator (AI) or Encapsulated Postscript (EPS) artwork is preferred, but most raster file types (e.g. TIFF, JPEG) are acceptable. Raster files to be submitted at full scale, 300 dpi, in an uncompressed format.
- B. Non-PVC top caps, vertical divider bars and inside corner colors to be selected by the architect from the InPro finish selection. Surface shall have a smooth finish.
- C. Vinyl top caps, inside corners, divider bars and outside corners shall be of a color matching the IPC.
- D. Stainless Steel Accessories: Top caps and divider bars shall have a polished finish.
- E. Aluminum Accessories: Top caps, inside corners and divider bars shall be clear anodized.
- F. Accessories: Clear or Color Matched Caulk

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine areas and conditions in which the sheet will be installed.
1. Complete all finishing operations, including painting, before beginning installation of Non PVC 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. Paint substrate with a paint or primer that does not contain Polyvinyl Acetate (PVA).

3.03 INSTALLATION

- A. General: Locate the Aspex™ Wall Protection as indicated on the approved detail drawing for the appropriate substrate and in compliance with the InPro installation instructions. Install level and plumb at the height indicated on the drawings. Field trimming is not recommended or supported.
- B. Installation of Aspex™ Wall Protection
1. Adhere to substrate with InPro Bond, a freeze-thaw stable, nonflammable, high strength, water based adhesive that trowels on and allows working time before firming.
2. Adhere to substrate with Fastbond 30, a nonflammable, high strength, water dispersed contact adhesive, with very little odor. Smooth roll surface.

3.04 CLEANING

- A. At completion of the installation, clean surfaces in accordance the InPro cleanup and maintenance instructions.