

Photopolymer Series

SPX10, SPX20, SPX30, SPX40 – Clear PETG Signs

General Information

- ▶ Features a unique, clear PETG sign base that is moisture-resistant and allows for more design and color options
- ▶ One-piece constructed signage provides increased durability and vandal resistance
- ▶ Integral raised 1/32" tactile text with Grade 2 Braille (optional)
- ▶ Environmentally friendly
- ▶ SPX10 (general informational), SPX20 (ADA-Compliant), SPX30 (slide panel) and SPX40 (Window)

Standard Sizes

- ▶ Maximum panel size: up to 18" x 24" (457mm x 610mm)

Frame Options

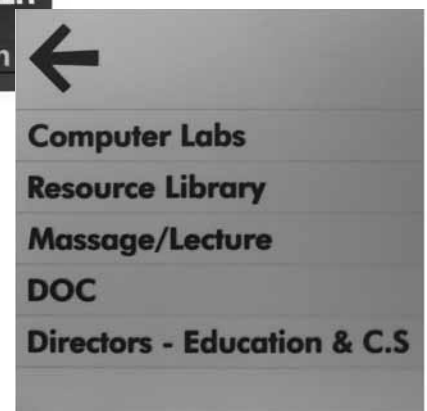
- ▶ Standard injection molded frames with square or round corners
- ▶ PVC and aluminum extruded frames available
- ▶ Northern Hardwoods frames with red oak or maple wood or bamboo
- ▶ Aluminum curved face frames with optional clear lens
- ▶ Keystone Modular

Unframed Options

- ▶ Square, radius, scallop or notch corners

Additional Information

- ▶ Manufactured from moisture-resistant, non-glare Photopolymer
- ▶ Signs available in 100 standard colors
- ▶ Logos available; digital file required (.eps, .wmf, .dcm or .ai files accepted)
- ▶ See "Sign Collections" for additional style options



IPC.993/REV.7

Photopolymer Signage, Clear PETG Signs Suggested Specifications

PART 1 – GENERAL

1.01 SUMMARY

- A. Interior Photopolymer Signage
- 1.02 SECTION INCLUDES
 - A. Photopolymer Signage, Clear PETG Series
 - B. Photopolymer Signage, Clear PETG Series, for Curved Sign Frames
 - C. Photopolymer Signage, Clear PETG Series, with Magnetic Modular Inserts
 - D. Photopolymer Signage, Clear PETG Series, Magnetic Modular Directory
 - E. Photopolymer Signage, Clear PETG Series, with Windows
- 1.03 REFERENCES
 - A. Americans with Disabilities Act (ADA)
 - B. American National Standards Institute (ANSI)
 - C. American Standards for Testing and Materials (ASTM)
 - D. Underwriters Laboratory (UL)
- 1.04 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide photopolymer signage that conforms to the following requirements of regulatory agencies and the quality control of InPro SignScape.
 - 1. Signage shall comply with all applicable provisions of the ADA and ANSI A117.1-1996.
 - a. Character Proportion: Letters and numbers on signs shall have a width-to-height ratio between 3:5 and 1:1 and a stroke width-to-height ratio between 1:5 and 1:10.
 - b. Color Contrast: Characters and symbols shall contrast with their background – either light characters on a dark background or dark characters on a light background.
 - c. Raised Characters or Symbols: Letters and numbers on signs shall be raised 1/32" (0.8 mm) minimum and shall be sans serif characters. Raised characters or symbols shall be at least 5/8 in (16 mm) high, but no higher than 2" (50 mm). Symbols or pictograms on signs shall be raised 1/32" (0.8 mm) minimum.
 - d. Symbols of Accessibility: Accessible facilities required to be identified, shall use the international symbol of accessibility.
 - e. Braille: Braille shall be Grade II and accompany text.
 - 2. Fire Performance Characteristics: Provide photopolymer signage with surface burning characteristics that consist of a flame spread of 75 and a smoke development of 120 when tested in accordance to UL-723 (ASTM E-84).
 - 3. Self Extinguishing: Provide photopolymer signage with a CC1 classification for .060" thick material, when tested in accordance with the procedures in ASTM D635, Standard Test Method for Rate of Burning and/or Extent and Time of Burning Plastics in a Horizontal Position.
 - 4. Vertical Burn: Provide photopolymer material that is classified as 94V-2 for material .118" thick or greater and 94HB for material .118" thick or less when tested in accordance with UL94, Tests for flammability of Plastic Materials for Parts in Devices and Appliances.
 - 5. Self Ignition Temperature: Provide photopolymer material that has a self-ignition temperature of 300°F when tested in accordance with ASTM D1929, Standard Test Method for Determining Ignition Temperature of Plastics.

1.05 SUBMITTALS

- A. Product Data: Manufacturer's printed product data for each signage system indicated in this section.
- B. Signage Report: SignPro signage report indicating signage sizes, text and construction.
- C. Manufacturer's Installation Instructions: Printed Installation Instructions for each signage system.
- 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 product have been received.
 - C. Store in original packaging in a climate controlled environment away from direct sunlight.
- 1.07 WARRANTY
 - A. Standard InPro SignScape Photopolymer limited one year warranty against material and manufacturing defects.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer: InPro SignScape, InPro Corporation, PO Box 406, Muskego, WI 53150 USA Telephone 800.222.5556/Fax: 888.715.8407 E-mail: service@inprocorp.com
- B. Substitutions: Not permitted
- C. Provide all interior signage systems from a single manufacturer.

2.02 MATERIALS

- A. Interior Grade Photopolymer Panels
 - 1. Photopolymer Clear PETG Series
 - a. Panel Construction: Provide Photopolymer panels composed of .032" thick moisture resistant, non-glare nylon photopolymer on ultraviolet resistant clear PETG sign base. Panel shall be single piece construction. Panel thicknesses shall be 1/16", 1/8" or 1/4". Maximum panel size shall be 18" x 24".
 - 2. Photo-luminescent Series
 - a. Panel Construction: Provide Photopolymer material composed of .032" thick, moisture resistant, non-glare nylon photopolymer on .047" thick photo-luminescent rigid PVC sign base.
 - 3. Photopolymer Clear PETG Series for curved frames
 - a. Panel Construction: Provide Photopolymer panels composed of .032" thick, moisture resistant, non-glare, nylon photopolymer on ultraviolet resistant clear .040" PETG sign base. Panel shall be single piece construction. Panel size to fit curved frames.
 - 4. Photopolymer Magnetic Modular Sign
 - a. Panel Construction: Provide photopolymer panels composed of .032" thick moisture resistant non-glare nylon photopolymer on .118" thick ultraviolet resistant thick PETG sign base. Header shall be 3" high. Recessed backing of .060" thick

- PETG shall be fabricated to include 1" magnet tape to secure modular inserts.
 - Minimum panel size: 6" w x 6" h.
 - Maximum panel size: 18" w x 24" h.
- b. Photopolymer Magnetic Modular Insert: Provide photopolymer modular insert that is .060" thick and produced with 1" metal foil adhered to the back. Insert will mate with magnetic tape of the sign panel. Insert height shall be 2" with a minimum width of 6" and maximum width of 18".
- 5. Photopolymer Magnetic Modular Directory
 - a. Photopolymer Magnetic Modular Directory Panel: Provide photopolymer panels composed of .032" thick moisture resistant non-glare nylon photopolymer on .118" thick ultraviolet resistant thick PETG sign base. Header shall be 4" high. Footer shall be 2" high. Recessed backing of .060" thick PETG shall be fabricated to include 1" magnet tape to secure modular inserts.
 - Minimum panel size: 12" w x 12" h.
 - Maximum panel size: 24" w x 47" h.
 - b. Photopolymer Magnetic Modular Directory Insert: Provide photopolymer magnetic modular directory insert that is .060" thick PETG and produced with 1" metal foil adhered to the back. Insert will mate with magnetic tape of the directory panel. Insert height shall be 2" with a minimum width of 12" and maximum width of 24".

6. Options

- a. Window Construction: Provide photopolymer panels composed of .032" thick moisture resistant non-glare nylon photopolymer on ultraviolet resistant .060" thick PETG sign base. Clear film of .010" thickness shall be bonded to sign panel and .060" thick PETG backing with space to allow user supplied paper to slide behind clear film.
 - Minimum window size: 1" h x 5" w.
 - Maximum window size: 12" h x 17" w.

2.03 FINISHES

- A. Color: Provide photopolymer signage material in a color selected by the architect from InPro SignScape standard photopolymer face color selection or custom.
- B. Text and Graphics: Provide photopolymer signage, with characters and graphics that shall be raised .032". Text color shall be selected by the architect, from InPro SignScape standard photopolymer text color selection or custom.
- C. Braille: Provide photopolymer signage that includes Grade II Braille.
- D. Accessories/Options
 - 1. Mounting Options
 - a. VHB Foam Tape: Provide VHB double-sided foam tape to adhere unframed signage to clean, dry, well-sealed substrates.
 - b. Magnetic Mounting Strips: Provide magnetic mounting strips to attach unframed signage to steel substrates.
 - c. Screw Mount: Provide screw mount unframed signage with exposed mounting fasteners. Fasteners to be located at each corner.
 - d. VHB Foam Tape and Heavy Duty Adhesive: Provide VHB double-sided foam tape and heavy duty adhesive to adhere larger signs to clean, dry, well sealed substrates.
 - e. Concealed Mount: Provide sign panel that includes a backing plate mounted to substrate with mechanical fasteners. Sign panel shall be adhered flush to the backing plate with factory applied double-sided adhesive tape.
 - f. Sign Standoffs: Provide sign standoffs that allow unframed signs to project from the wall. Standoffs shall mount through the sign panel at each corner. Standoffs are to be brushed silver.
- Standard Sizes:
 - 0.47" Cap diameter x 0.59" Barrel length
 - 0.59" Cap diameter x 0.39" Barrel length
 - 0.75" Cap diameter x 0.59" Barrel length
 - 0.98" Cap diameter x 0.79" Barrel length

g. Table Top Easel System

- 1. Model number, Size, Description
 - a. SS100171, 48" dia. X 2.56" L, 2 piece system, Flat Cap, Satin Chrome Finish.
- 2. Signage Corner Conditions
 - a. Square Corners: Provide photopolymer signage corners that are 90 degrees square.
 - b. Rounded Corners: Provide photopolymer signage corners with a 1/2" or 3/4" radii.
 - c. Notched Corners: Provide photopolymer signage corners with a 1/2" concave radius at each corner.
 - d. Scalloped Corners: Provide photopolymer signage with scalloped corners. Scalloped shape shall include a 1/2" convex radius.
 - 3. Edge Treatment: Provide photopolymer signage with a square edge treatment.
 - 4. Sign Collections: Provide photopolymer signage in a shape and design from the Signscape Sign Collections: Florence, Manchester, Montreal, Sedona, Vail, Savannah or Sydney
- E. Frames
 - 1. Molded Frames
 - a. Frame Item number, Size and Shape:
 - SFS0208, 2" (51mm) x 8" (203mm), square corners
 - SFS0404, 4" (102mm) x 4" (102mm), square corners
 - SFS0408, 4" (102mm) x 8" (203mm), square corners
 - SFS0606, 6" (152mm) x 6" (152mm), square corners
 - SFS0808, 8" (203mm) x 8" (203mm), square corners
 - SFS1212, 12" (305mm) x 12" (305mm), square corners
 - SFR0208, 2" (51mm) x 8" (203mm), radius corners
 - SFR0404, 4" (102mm) x 4" (102mm), radius corners
 - SFR0408, 4" (102mm) x 8" (203mm), radius corners
 - SFR0606, 6" (152mm) x 6" (152mm), radius corners
 - SFR0808, 8" (203mm) x 8" (203mm), radius corners
 - SFR1212, 12" (305mm) x 12" (305mm), radius corners

2. Curved Aluminum Frames

- Item Number, Size
 - SFCURVED-4x4-BL, 4" (102mm) x 4" (102mm)
 - SFCURVED-6x6-BL, 6" (152mm) x 6" (152mm)
 - SFCURVED-8x8-BL, 8" (203mm) x 8" (203mm)
 - SFCURVED-8.5x11, 8.5" (216mm) x 11" (280mm)
 - SFCURVED-12x12, 12" (305mm) x 12" (305mm)
- 3. Aluminum Frames
 - Size – Custom, minimum 4" (102mm) x 4" (102mm), Maximum 18" (457mm) x 24" (610mm)
- 4. Extruded Vinyl Frame
 - Size – Custom, minimum 4" (102mm) x 4" (102mm), Maximum 18" (457mm) x 24" (610mm)
- 5. Wood and Bamboo Frames
 - a. Frame Item number, Size and Shape:
 - SFW-RD5555, 5 1/2" (140mm) x 5 1/2" (140mm), Radius
 - SFW-RD1010, 10" (254mm) x 10" (254mm), Radius
 - SFW-SQ5555, 5 1/2" (140mm) x 5 1/2" (140mm), Square
 - SFW-SQ1010, 10" (254mm) x 10" (254mm), Square
 - SFW-AR0705, 7" (178mm) x 5" (127mm), Arch
 - SFW-AR0907, 9" (229mm) x 7" (178mm), Arch
 - SFW-OV1418, 14" (356mm) x 18" (457mm), Oval
 - SFW-OV0911, 9" (229mm) x 11" (279mm), Oval
 - SFW-OV0406, 4" (102mm) x 6" (152mm), Oval
 - Wood Type - Maple, Oak, or Bamboo
- 6. Keystone Modular Frame
 - 1. Style, Description
 - a. Classic Side Tracks Capped, 1/4" square side tracks capped top and bottom.
 - b. Classic Full Frame, 1/4" Square side tracks, top and bottom rails.
 - c. Radius Side Tracks Capped, 1/2" radius side tracks capped top and bottom.
 - d. Radius Full Frame, 1/2" radius side tracks, top and bottom rails.
 - 2. Size – Custom, Minimum 3" (76mm) x 3" (76mm), Maximum 96" (2.44m) x 137.8" (3.5m), Maximum panel thickness 1/16" (1.5mm)
 - 3. Colors: Aluminum - black or silver anodized. Molded components - black or gray.
- F. Frame Materials
 - 1. Injection Molded Frames: Molded frames shall be manufactured of injection molded thermoplastic. Frame shall have square corners or corners with a 3/4" (19mm) radius.
 - 2. Curved Aluminum Frames: Curved frames shall be fabricated from extruded aluminum. Curved frames shall have end caps of injection molded thermoplastic.
 - 3. Extruded Aluminum Frames: Aluminum frames shall be fabricated from 6063-T5 aluminum.
 - 4. Vinyl Frames: Vinyl frames shall be extruded from chemical and stain resistant polyvinyl chloride.
 - 5. Wood Frames: Wood frames shall be fabricated from kiln dried solid maple or red oak with a moisture content of 5-9%.
 - 6. Bamboo Frames: Bamboo frames shall be fabricated from kiln dried solid mao, grass reed in Natural or Carbonized with a moisture content of 5-9%.
 - 7. Keystone Modular Frames: Aluminum side tracks, top and bottom rails and support profiles shall be silver or black. Aluminum shall be anodized.
- G. Frame Finishes
 - 1. Injection Molded Frames: Color to be selected, by the architect, from the InPro SignScape standard finish selection. Texture shall be sand.
 - 2. Extruded Aluminum Frames: Color to be selected, by the architect, from the InPro SignScape standard finish selection. Aluminum shall be anodized.
 - 3. Vinyl Frames: Color to be selected, by the architect, from the InPro SignScape standard finish selection. Texture shall be smooth.
 - 4. Wood Stain: Color of the maple and red oak to be selected by the architect from the IPC standard stain selection. Wood frames shall be finished with two coats of low luster satin finish.
 - 5. Bamboo Stain: Color of the bamboo to be selected, by the architect, in a clear finish. Bamboo frames shall be finished with a water based, low luster satin finish.
 - 6. Keystone Modular Frames: Aluminum side tracks and support profiles shall be silver or black. Aluminum shall be anodized.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Examine areas and conditions in which the signage system will be installed.
 - 1. Complete all finishing operations, including painting, before beginning installation of signage systems.
 - 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, debris and loose particles.
- 3.03 INSTALLATION
 - A. General: Locate the signage system as indicated on the approved detail drawing for the appropriate substrate and in compliance with the InPro SignScape installation instructions. Install signage systems level and plumb at the height indicated on the drawings.
- 3.04 CLEANING
 - A. At completion of the installation, clean surfaces in accordance with the InPro SignScape clean up and maintenance instructions.