

Photopolymer Series

SPX10, SPX20, SPX40 – Laminate PETG Signs



General Information

- ▶ Features moisture-resistant clear photopolymer adhered to a broad selection of laminate wood grains, marbles and granites
- ▶ 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) 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



Unframed Options

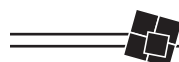
- ▶ Square, radius, scallop or notch corners

Additional Information

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



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INPro
SIGNSCAPE
Signage and Wayfinding

Photopolymer Signage, Laminate PETG Signs

Suggested Specifications

PART 1 – GENERAL

1.01 SUMMARY

A. Interior Photopolymer Signage

1.02 SECTION INCLUDES

A. Photopolymer Signage, Laminate PETG Series

B. Photopolymer Signage, Laminate 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 A117.1-1998.

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 CCI 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 800°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, lettering 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 Laminate PETG Series

a. Panel Construction: Provide Photopolymer panels composed of .032" thick moisture resistant, non-glare nylon photopolymer bonded to .080" thick PETG and .029" thick laminate base. Overall panel thickness shall be .125". Maximum panel size shall be 18" x 24".

2. Options

a. Window Construction: Provide photopolymer panels composed of .032" thick moisture resistant non-glare nylon photopolymer bonded to .080" thick PETG and .029" thick laminate 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 laminate signage material in a color/pattern selected by the architect from InPro SignScape laminate photopolymer face color selection.

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. Magnetic Mounting Strips: Provide magnetic mounting strips to attach unframed signage to steel substrates.

b. Screw Mount: Provide screw mount unframed signage with exposed mounting fasteners. Fasteners to be located at each corner.

c. 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.

d. Concealed Mount: Provide sign panel that adheres to backplate with mechanical fasteners. Sign panel shall be adhered flush to the backing plate with factory applied double-sided adhesive tape.

e. Standoffs: Provide sign panel with standoffs to allow sign panel to project from the wall. Specify standoff distance.

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. Aluminum Frames

Size – Custom, minimum 4" (102mm) x 4" (102mm), Maximum 18" (457mm) x 24" (610mm)

3. Extruded Vinyl Frame

Size – Custom, minimum 4" (102mm) x 4" (102mm), Maximum 18" (457mm) x 24" (610mm)

4. 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

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. Extruded Aluminum Frames: Aluminum frames shall be fabricated from 6063-T5 aluminum.

3. Vinyl Frames: Vinyl frames shall be extruded from chemical and stain resistant polyvinyl chloride.

4. Wood Frames: Wood frames shall be fabricated from kiln dried solid maple or red oak with a moisture content of 5-9%.

5. 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%.

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.

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.

