

# Photopolymer Series

## SPX10, SPX20 Exterior Aluminum Signs



### General Information

- ▶ Features the industry's first pure, exterior-grade photopolymer resin
- ▶ Requires no extended treatments
- ▶ 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) and SPX20 (ADA-Compliant)

### Standard Sizes

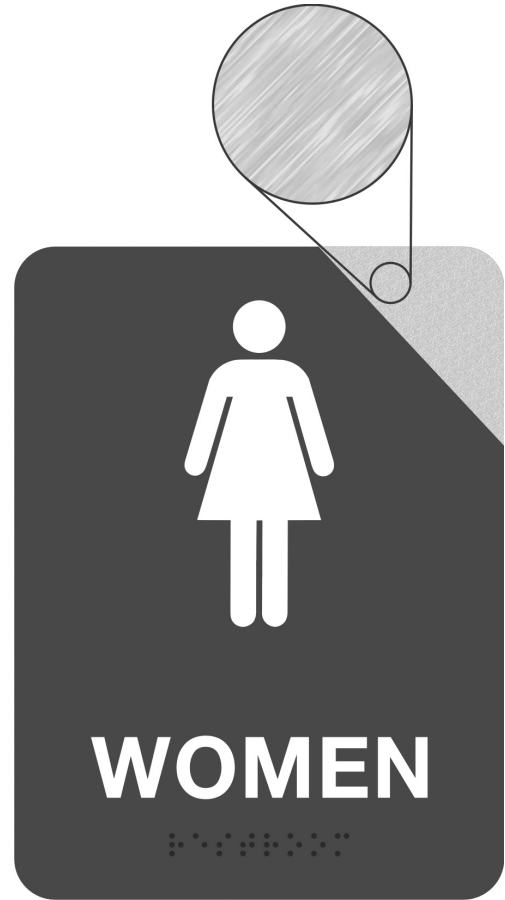
- ▶ Maximum panel size: up to 18" x 24" (457mm x 610mm)

### Unframed Options

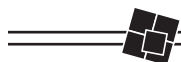
- ▶ Square, radius, scallop or notch corners

### 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)



IPC.995/REV.1



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**INPRO**  
**SIGNSCAPE**  
Signage and Wayfinding

# Photopolymer Signage, Exterior Aluminum Series

## Suggested Specifications

### PART 1 – GENERAL

#### 1.01 SUMMARY

##### A. Exterior Photopolymer Signage

#### 1.02 SECTION INCLUDES

##### A. Photopolymer Signage, Exterior Aluminum Series

#### 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 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 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 exterior grade photopolymer signage systems from a single manufacturer.

#### 2.02 MATERIALS

##### A. Exterior Grade Photopolymer Panels

###### 1. Photopolymer Aluminum Series

a. Provide exterior grade photopolymer panels composed of .032" thick exterior grade synthetic rubber based polymer integrally bonded to .016" aluminum alloy base. Panel shall be backed with .125" polycarbonate. Maximum panel size shall be 18" x 24".

###### 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.

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. 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.

3. Edge Treatment: Provide photopolymer signage with a square edge treatment.

### 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.

