

Etched Zinc Specification

Available in painted or metal tone finishes. Interior & Exterior rated

MR – MANUFACTURER

Independent Specialty Signage, Inc.

Zinc signs are one piece metal signs in which all components are integral. Characters and Braille are produced on film, which is placed on the photosensitive sheet of zinc and exposed to a special light source. The exposed photosensitive image on the zinc is then developed and chemically machined with acid to create raised and recessed areas on the metal plate. The plate is trimmed to size and decorated to the designer's specifications using the highest quality graffiti resistant, thermal-set, acrylic polyurethane finish.

PP – PRODUCT PRESENTATION

One-piece chemically etched zinc - metal signs with raised copy and/or Braille.

Features:

- 24 standard colors, custom color matching is available
- 40 standard sizes, custom sizes are available
- Rectangular and shaped signs up to 23" x 35"
- Variety of material thickness (.064 and .153")
- Capable of being machined
- Metal finish on raised surfaces (Silver-tone, Gold-tone or Bronze-tone)
- Custom color matching is available
- One piece construction
- Raised characters
- Raised, compliant, domed Braille cells

Benefits:

- 10-15 working days for production
- ADA compliant
- Easy to clean
- Graffiti remover resistant
- Indoor & outdoor rated
- Recyclable material

Available Standard sizes:

2" x 3"	2 1/4" x 4 1/4"	3" x 3"	4" x 4"	6" x 12"
2" x 4"	2 1/2" x 5 1/4"	3" x 4"	4" x 6"	7" x 7"
2" x 6"	2 1/2" x 4"	3" x 6"	4" x 8"	7" x 9"
2" x 7"	2 1/2" x 6"	3" x 8"	4" x 10"	8" x 8"
2" x 8"	2 1/2" x 8"	3" x 10"	4" x 12"	8" x 9"
2" x 10"	2 1/2" x 10"	3" x 12"	6" x 6"	9" x 9"
2" x 12"	2 1/2" x 12"	3" x 14"	6" x 8"	10" x 10"
2" x 14"	2 1/2" x 14"	3 1/4" x 3"	6" x 9"	12" x 12"

Additional sizes and shapes are available up to 23" x 35".

Zinc sheet sizes and thickness:

- 23" x 35" x .064"
- 23" x 35" x .153"
- 23" x 35" x .250"

Custom manufacturing capabilities include but are not limited to various shapes, sizes, combinations of color, thickness, dimension, fabrication, and decorating techniques. Zinc products should be specified for any of the following types of facilities, but are not limited to – Educational, Governmental, Corporate, Industrial, Hospitality, Health Care, and Sports Facilities. Other applications include industrial machinery panels, ATM faceplates, and recognition/dedication plaques.

UA – USES AND APPLICATIONS

Zinc products are used as both interior and exterior way-finding sign systems for ADA compliant and decorative signs. Zinc products can be manufactured to meet all ADA Federal and State codes. We also provide standard and/or custom color matching services.

OP – PRODUCT IN PLACE

Zinc products are manufactured to withstand both interior and exterior conditions where heavy traffic can be an issue, (for example, elevator panels, elevator door jambs, and directional signage). Products are mounted per ADA requirements on any constructed surface.

The American Society for Testing and Materials (ASTM):

- ASTM D 523-89 Standard Test Method for Spectacular Gloss
- ASTM D 2244-89 Standard Practice for Calculation of Color Differences from Instrumentally Measured Colored Coordinates.
- ASTM G 53-91 Standard Practice for Operating Light and Water Exposure Apparatus (Fluorescent UV Condensation Type) for Exposure of Nonmetallic Materials.

Weatherability:

When tested in accordance with ASTM G53, after 500 hours in Weatherometer (equivalent to approximately 3 years exterior exposure) shows gloss retention not less than 88.0 determined in accordance with ASTM D 523 at a 60 degree angle. Color shall not change more than 1.68 units determined in accordance with ASTM D 2244 and measured with a Hunter Colorimeter, Model D25.

Durability:

Sign finish shall show no effect after repeated use of cleaners such as Graffiti Remover #1120 manufactured by Fine Organics Corp., Lodi, NJ.

AI – ASSEMBLY and INSTALLATION

Factory made and site installed by Contractor. Installation instructions are available. Installation is compatible with Federal and State code requirements. Mount Zinc ADA signs in accordance with State and Federal codes. Manufacturers recommended adhesives include: 3M 444 film, 3M 4416 foam, or 3M VHB 9473 film, 3M VHB 4930 foam, and 3M VHB 4950 foam. For applications that require vandal proof screws, please contact the factory for shop drawings that display suggested placement and options.

CP – COMPONENTS and PARTS

Zinc signs are manufactured from zinc and decorated with baked-on acrylic polyurethane enamel paint. Optional and variable components include decorative framing units, holders and

mechanical signs.

MF – MATERIALS and FINISHES

Zinc is a heavier-weight, dense, zinc material that is chemically milled and decorated to meet your design specifications. Our standard colors and finishes offer an eggshell/matte finish with a high color contrast when a light and a dark color combination are selected.

Paint Colors: (Matthews Acrylic Polyurethane)

Choose from 24 baked-on acrylic polyurethane enamel paints that are available for decorating Zinc products. Custom color matching is available in our acrylic paint finish.

Standard Colors: choose one light and one dark color

220 Black	228 Cool Gray	236 Cobalt Blue
221 Dark Brown	229 Slate Green	237 Tan
222 Navy	230 Beige	238 Chocolate Brown
223 Royal Blue	231 Frost	239 Steel Blue
224 Bright Red	232A Classic White	240 Medium Bronze
225 Cranberry	233 Light Gray	241 Dark Bronze
226 Burgundy	234 Brilliant Gold	242 Copper
227 Teal	235 Brushed Aluminum	243 Alabaster

Optional metal-tone (satin) finishes are available on the raised characters: Silver-tone, Gold-tone, or Bronze-tone.

(Color chart is available upon request.)

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TS – TECHNICAL SUPPORT

Zinc products are specified by size, thickness, shape, specific text, decorative colors, and mounting methods. Probable useful life - please see warranty below.

CC – CODES and CERTIFICATIONS

Zinc products can be manufactured to comply with all Federal and State codes.

Warranty:

Independent Specialty Signage, Inc. will repair or replace any product returned for faulty material or workmanship for up to one year from date of invoice. Returns must be pre-authorized by the factory, shipped pre-paid and must be accompanied by the original invoice number. Limited warranty does not include the cost of removal, reinstallation or the cost for the transportation. Independent Specialty Signage, Inc. will not assume responsibility for damaged caused by careless handling, improper installation techniques, misuse, vandalism, or where repairs and/or alterations have been attempted by others.

ED – ENVIRONMENTAL and RECYCLING DATA

Zinc signs are chemically milled zinc and it is a natural organic metal. Zinc is extracted from earth's elements. As part of the manufacturing, zinc is chemically milled in a closed loop acid etching system. The EPA regulates the chemical etching of zinc. Zinc byproducts are recycled. Zinc is recycled through scrap metal processors

OM – OPERATION and MAINTENANCE

The EPA regulates the chemical etching of zinc. Zinc byproducts are recycled. Zinc is recycled through scrap metal processors is a permanent installation and does not require any general maintenance. Individual replacement signs are available per project specification.

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