

**ADVANCE CORPORATION
BRAILLE-TAC™ DIVISION**

8200 - 97th Street South
Cottage Grove, MN 55016
(651) 771-9297
(800) 328-9451
Fax: (651) 771-2121
E-mail: brailletac@advancecorp.com
Web: www.advancecorp.com

**BRASS, BRONZE, NICKEL-SILVER, AND PHOTOCAST (zinc)
ARCHITECTURAL SIGNAGE**

Brass, Bronze, Nickel-Silver, and Photocast (zinc) signs and plaques are one-piece, chemically etched products. These signs and plaques are interior/exterior rated and are manufactured through a single-etched process or a double-etched process.

Section 10420

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Interior and exterior non-illuminated building signs and plaques.

1.02 RELATED SECTIONS

- A. Section 06200 - Finnish Carpentry: For adhesives and sign installation.

1.03 REFERENCES

- A. Environmental Protection Agency (EPA)

1.04 PERFORMANCE REQUIREMENTS

- A. Sign finish shall comply with the following performance requirements:
 1. Weatherability: When tested in accordance with ASTM G 53, after 500 hours in a Weatherometer (equivalent to approximately 3 years exterior exposure):
 - a. Gloss retention not less than 88.0 determined in accordance with ASTM D 523 at a 60 degree angle.
 - b. Color shall not change more than 1.68 units determined in accordance with ASTM D 2244 and measured with a Hunter Colorimeter, Model D25.
 2. Durability: Sign finish shall show no effect after repeated use of cleaners such as Graffiti Remover #1120 manufactured by Fine Organics Corp., Lodi, NJ.

1.05 SUBMITTALS

- A. Submit the following in accordance with Section 01300:
1. Product Data: Manufacturer's material description and fabrication methods.
 2. Proofs: Photocopy proofs of each sign on schedule are available upon request at no additional charge.
(SPECIFIERS NOTE: Shop drawings are available at charges based on labor rates.)
 3. Samples: Actual samples of materials and finishes.
(SPECIFIERS NOTE: Samples of signs and plaques are available at catalog pricing. Variations to standard signs and plaques are subject to charges necessary for production and once approved will apply to final production of the order.)
 4. Test Reports: Submit test reports certified by an independent testing laboratory. Show compliance with performance requirements.

1.06 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
1. Company with not less than 5 successive years experience in the manufacture of interior/exterior building signs.
 2. Company licensed to manufacture products by the EPA using the process specified.
 3. Furnish a list of at least 3 signage projects completed in the previous 2 years if requested by the Architect.
- B. Field Samples: Furnish one sample sign to the Architect for review. When approved, Architect will forward sign to the project site for installation.

1.07 DELIVERY, STORAGE AND HANDLING

- A. Deliver signs to the project site, packaged to prevent damage during delivery and storage. Store signs in dry area protected from the elements.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Advance Corporation, Braille-Tac™ Division, 8200 - 97th Street South, Cottage Grove, Minnesota 55016 800-328-9451.
- B. Other manufacturers seeking approval of their products must comply with requirements of the Instructions to Bidders (AIA Document A701), Paragraph 3.3 prior to bidding.

2.02 SIGNS AND PLAQUES

- A. One-piece construction signs and plaques utilizing chemical etch process to produce raised or recessed copy, logos, and graphics on Brass, Bronze, Nickel-Silver or Photocast (zinc).
1. Sign and Plaque Types:
 - a. Room identification signs
 - b. Copy signs
 - c. Dedication plaques

- d. Commemorative tablets
 - e. Identification nameplates
 - f. Custom signs
 - g. Floor maps
 - h. Signs with holders/framing units
2. Sign Sizes:
- a. Maximum size for all sign types is 19" (475 mm) by 23" inches (575 mm).
(SPECIFIERS NOTE: Maximum size for .250" Brass is 8" x 15").
 - b. Available thicknesses for Brass are .032", .064", .125" and .250".
 - c. Nickel-Silver is only available in .032" thickness.
 - d. Available thicknesses for Photocast (zinc) are .064", .153", and .250".
 - e. Available thicknesses for Bronze are .032", .064", and .125".
3. Typestyles:
- a. Many typestyles are available.
 - b. Special designs can be provided electronically or as camera ready artwork.
4. Sign and Plaque Finish:
- a. Single Etch: Unless otherwise specified, signs and plaques which are single etched are antiqued or colorfilled in the recessed areas, over which a protective clear coat is applied.
 - b. Double Etch: Signs and plaques which are double etched have a textured background over which a protective clear coat is applied.
5. Colors:
- a. Natural metals Brass, Bronze and Nickel-Silver can be antiqued, colorfilled in the recessed areas or double etched.
 - b. Photocast (zinc) can be colorfilled in the recessed areas with goldtone, silvertone or bronzetone finish on raised areas or double etched in gold copy on gold background, silver copy on gold background or silver copy on silver background.
(SPECIFIERS NOTE: Color matching is not available when specifying metal tone finishes on Photocast signs and plaques in single or double etch process.)
- B. Holders: Furnish holder or backer for signs and plaques fabricated in one of the following materials:
- 1. Avonite™
 - 2. Fountainhead™
 - 3. Dymondwood™
 - 4. Cherry
 - 5. Oak
 - 6. Walnut
 - 7. Maple
 - 8. Adcast™
- (SPECIFIERS NOTE: Select material from those listed; size and style will be dependent upon size and style of sign or plaque.)

2.03 OTHER MATERIALS

- A. Adhesives: Pressure sensitive adhesive or high grade industrial silicone adhesive as recommended by the adhesive manufacturer for the substrates shown.
(SPECIFIERS NOTE: It is not the responsibility of the sign manufacturer to determine the suitability of adhesives for the substrates to which signs are to be applied.)
- B. Mechanical Fasteners: Concealed and non-concealed screws, tamper resistant and non-tamper resistant screws, washers, nuts and toggles for use in securing holders to substrate.

PART 3 INSTALLATION

3.01 EXAMINATION

- A. Examine the substrates and conditions under which the work is to be performed, and notify the Contractor in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the installation until unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Mount sign or plaque level and plumb with recommended adhesive to substrates.
- B. Secure sign or plaque holders and backers to substrate with concealed fasteners, and adhere sign or plaque to holder.

3.03 CLEANING

- A. Remove adhesives from exposed sign or plaque surfaces as recommended by adhesive manufacturer. Clean sign or plaque surfaces as needed.

3.04 SCHEDULE

- A. Provide the following interior and /or exterior building signs and plaques:
(SPECIFIERS NOTE: Furnish complete list of required signs and plaques. Include text and logos, if any. Indicate quantity of each. Manufacturer is not responsible for quantities not clearly indicated in this schedule.)

END OF SECTION

See our printed catalog in Sweet's General Building & Renovation - Section 10426

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