

METAL LAMINATE on ACRYLIC Letters/Logos Specifications

Rev. 4/4/19

Part I – General

1.1 Scope

- A. Furnish letters and hardware necessary to install metal laminate on impact modified acrylic letters or logos, as shown on drawings and herein specified.

1.2 Submittals

- A. Manufacturer's illustrated product literature and specifications.
- B. Installation instructions

1.3 Quality Assurance

- A. Manufacturer to have a minimum of 20 years experience in manufacturing letters.
- B. All letters to be manufactured by one manufacturer.

Part II – Products

2.1 Acceptable Manufacturer or Manufacturer's Representative

- A. Gemini Incorporated
103 Mensing Way
Cannon Falls, MN 55009
Phone: 800-538-8377 or 507-263-3957
Fax: 800-421-1256 or 507-263-4887
Email: sales@gemini-signproducts.com
Web: www.GeminiSignProducts.com

2.2 Materials (Metal Laminate on Impact-modified acrylic)

- A. Gemini extrudes its own impact-modified acrylic in many standard pigmented colors, 1/8", 3/16", 1/4", 3/8" and 1/2" thick.
Gemini's acrylic offers good rigidity & tensile strength, is resistant to chemicals & corrosion, and has UV inhibitors to help prevent colors from fading. Cast acrylic sheet is stocked in Clear, 3/4", 1" and 1-1/2" thick.
- B. .030" Metal Laminate (CHEMETAL Aluminum), available in multiple colors and metal finishes (standard or special order options), as listed available in current catalog. Designed for interior installations only.

2.3 General Construction.

- A. Metal laminate is bonded to an acrylic base using a Bern-Lok process of lamination.
- B. Computerized vector files are imported, cleaned and oriented for router cutting.
- C. Routing: laminate sheet is oriented to allow for a horizontal grain direction, vertical direction available upon request.
- D. Sizes: Letter heights from 3" to 24". Largest single piece = 30". Minimum .250" stroke. Oversized parts, over 30", can be produced with Laminate on 2 sides, up to 30"x60". Interior installations only.
- E. Base: pigmented acrylic, 1/8" to 1/2" thick, or painted. Painted only base 3/4"-1.5" thick, standard or custom colors.
- F. Laminate sheet is router cut, with radius inside corners of .070" - .125", based on base thickness. Outside corners, .02" radius – all sizes and gauges. Returns are smooth (not polished).

2.4 Mounting Hardware

- A. Mounting: plain (no mounts), double face tape (pieces or strips), stud, pad, combination, or combination all.
Flush stud is available with 3/8" and thicker acrylic. Thinner material stud mounts have threaded plastic blocks to receive studs and will stand-off approx. 3/8" from backs.
- B. Hardware: standard studs are 6/32 or 10/24, or 1/4-20 aluminum studs, optional stainless steel. Aluminum spacers available upon request.

2.5 Manufacture

- A. Letters shall be made of metal laminate on acrylic.
- B. Letters shall be _____ letter style and shall be _____ inches high, and _____ inches thick as indicated on the drawings.
- C. Mounting shall be _____ and a mounting template designating stud locations is/is not required for mounting on a _____ surface

Part III – Execution

3.1 Installation

- A. A qualified installer shall install metal laminate on acrylic letters and logos.

3.2 Warranty

- A. Laminate letters are designed for Interior use only. Exterior letter use does not carry a warranty.

3.3 Maintenance

- A. Cleaning as needed per manufacturer recommendations.