METAL LAMINATE on ACRYLIC Letters/Logos Specifications

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@geminisignproducts.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", ¼", 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 ¾”-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.