

Metal Laminate on Foam Letters/Logos Specifications

Rev. 11/15/17

Part I – General

1.1 Scope

- A. Furnish letters/logos and hardware necessary to install metal laminate on rigid urethane foam, 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@geminsignproducts.com
Web: www.GeminiSignProducts.com

2.2 Materials (Metal Laminate on Rigid Urethane Foam)

- A. Gemini stocks 12 lb/cubic foot, Closed Cell, Rigid Urethane Foam, 1/2" to 3" thick. Gemini's foam offers resistance to water absorption, will not swell, crack or split when exposed to water, but is still designed for interior use only.
- B. .030" Metal Face Laminate (CHEMETAL Alum), available in multiple colors and metal finishes (standard and special order options), per current catalog.
- C. .030" ABS Plastic Back Laminate, to add rigidity and allow for hardware bonding.

2.3 General Construction.

- A. Metal Laminate is bonded to the rigid foam base using a Bern-Lok process of lamination.
- B. Computerized vector files are imported, cleaned and orientated for cutting.
- C. Horizontal grain direction on Laminate is standard, vertical direction available upon request.
- D. Letter heights range from 4" to 24". Largest single piece on 1/2" & 3/4" thick foam, 23"x47". Largest single piece on 1"-3" thick foam is 47"x71". Minimum stroke of .375" for most hardware.
- E. Laminate sheet is router cut with a .070"-.190" corner radius (based on thickness), per art file.

2.4 Mounting Hardware

- A. Metal laminate on foam letters are available plain, with double face tape, stud, pad, combination, or combination all for mounting options. Foam letters can be drilled and tapped for a flush stud mount.
- B. Standard metal laminate on foam letters use 6/32 or 10/24 studs, based on size and stroke (aluminum or stainless steel studs). Spacers available upon request.

2.5 Manufacture

- A. Letters shall be made of metal laminate on rigid foam.
- 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 foam letters.

3.2 Warranty

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

3.3 Maintenance

- A. Cleaning as needed per manufacturer recommendations.