METAL LAMINATE on FOAM Letters/Logos Specifications

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@geminisignproducts.com
Web: www.GeminiSignProducts.com

2.2 Materials (Metal Laminate on Rigid Urethane Foam)
A. Metal Laminate on Foam letters are produced with a 12 lb/cubic foot, Closed Cell, Rigid Urethane Foam base, 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 a rigid foam base, using a Bern-Lok process of lamination. Optional 1/8” acrylic.
B. Computerized vector files are imported, cleaned and orientated for cutting.
C. Routing: laminate sheet is oriented to allow for a horizontal grain direction, vertical direction available upon request.
D. Letter heights range from 4” to 24”. Largest single piece is 47” x 47”. Minimum stroke of .375” for most hardware.
E. Laminate sheet is router cut with a .070”-.190”corner radius (based on foam thickness and size), per art file.

2.4 Mounting Hardware
A. Mounting: plain (no hardware), double face tape (partial coverage), stud, pad, combination, or combination all. Foam letters can be drilled and tapped for a flush stud mount. Standard stud blocks will stand-off approx. 3/8”.

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.