

Acrylic Letters Specifications

Part I – General

1.1 Scope

A. Furnish letters and hardware necessary to install acrylic letters shown on drawings and herein specified.

1.2 Submittals

A. Manufacturer's illustrated product literature and specifications.

B. Installation instructions

1.2 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@signletters.com

Web: www.signletters.com

2.2 Materials (Impact-modified extruded acrylic)

A. Gemini manufactures its own High Density Polyethylene (HDPE), which offers good rigidity & tensile strength. It is resistant to chemicals & corrosion and has UV inhibitors to help prevent colors from fading.

2.3 Gemini's own Extruded sheets of acrylic range from 1/8", 3/16", 3/8", 1/4" and 1/2" thick. Cast sheet is also cut then painted in 3/4" and 1" thicknesses.

A. Laser cutting has an inside diameter of .030". The laser beam used to cut our acrylic letters and logos is actually .010", but a slight radius is given to the inside corners of letters to prevent cracking.

B. Router cutting produces a larger radius with a .125" diameter bit.

C. Computerized vector files need to be imported and then cleaned to properly cut a good letter. The degree of cleaning is more critical with a laser as the inside diameter will be .030".

D. The largest single piece we can cut is 47-1/2" x 95-1/2". Larger shapes can be cut in pieces. Smaller letters under 24" can be cut out of 1/8" & 3/16" thick material. Larger letters require a thicker gauge.

E. Acrylic letters and logos are cut in gauges up to 1" thick in over 32 different colors

F. 1000-watt lasers polish the edge return of all letters and logos as they cut through the material, providing a superior finish.

G. Impact Strength of 1.2, with a HN Flammability Rating. Vicat Softening Temperature of 227°F.

2.4 Mounting Hardware

A. Acrylic letters are available or with studs, pads, or a combination of the two for mounting options.

B. Standard acrylic letters are mounted with 3/16", 10-24 aluminum studs. Thin stroked letters with a 6/32 stud.

2.5 Manufacture

A. Letters shall be made of acrylic.

B. Letter shall be _____ letterstyle and shall be _____ inches high, 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 acrylic plastic letters.

3.2 Warranty

A. Letters should be guaranteed for the life of the business against defects.