

LASER CUT ACRYLIC - Letters & Logo Specifications

Part I - General

1.1 Scope

A. Furnish letters and hardware necessary to install Laser Cut Acrylic letter/logos, shown on drawing 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 15 years experience in manufacturing Letters/Custom Signs/Logos.

B. All letters to be manufactured by one manufacturer.

Part II - Products

2.1 Acceptable Manufacturer or Manufacturers Representative

- A. LettersandSigns.com (a division of Trademarks Signs)
11447 Strang Line Rd
Lenexa, KS 66215
Phone: 816-800-9444
Email: sales@lettersandsigns.com
WEB: www.lettersandsigns.com

2.2 Materials

A. Impact modified extruded acrylic, available in standard pigment colors 1/8" to 1/2" thick and 3/4" to 1 1/2" thick Cast Acrylic sheet that can be liquid painted to pms match colors. Acrylic that offers good rigidity, tensile strength, and is resistant to chemicals and corrosion - UV inhibitors help prevent fading - Impact Modifiers help prevent material breakage.

2.3 General Construction

- A. Laser cut letters & logos are cut from impact modified extruded acrylic sheet, pigmented or painted.
Extruded gauge thickness's: 1/8", 3/16", 1/4", 3/8", and 1/2". Pigmented, painted in standard or custom colors.
Cast gauge thickness's: 3/4", 1" and 1-1/2" thickness. Painted standard or custom color.
- B. Laser cut with a slight radius on all inside and outside corners. This radius helps to prevent letters from cracking during shipment and installation. Radius average = .50".
- C. Computerized vector files are imported and cleaned to properly cut a quality product. Critical for laser cutting.
- D. Largest single piece for a laser cut is 46" x 93". Larger pieces will be cut into pieces. Letters can be cut with a laser as small as 3/4" high (with 1/8" thick material).
- E. Laser cutting will produce a smooth edge (return) Edge finish will vary based on pigmented color or paint.
- F. Laser cut acrylic panels and logo are available painted or custom printed with 1200 dpi resolution - UV resistant ink.
- G. Impact strength of 1.2, with HN Flammability Rating. Vicat Softening Temperature of 227F Flame Spread index of 115. Smoke Develop Index of 550, Self Ignition Temperature of 833.

2.4 Mounting Hardware

- A. Mounting options: plain, double face 25mil tape, studs, pads, or combination of the two for mounting options. Letters that are 3/8" or thicker can be precision drilled & tapped for a Flush Stud mount. Spacers are available
- B. Studs: Laser cut acrylic letters and logo's are typically stud mounted with 6-32 or 10-24 studs. Aluminum alloy studs are standard. Stainless Steel 302 alloy studs- optional. 2" long studs are standard - longer studs available upon request.
- C. Decorate Metal Stand-Offs, available for mounting acrylic panels. Clear Anodized Aluminum Stand offs are 1/2", 3/4" or 1" diameter, with 3/4", 1" or 1 1/2" stand off options.

2.5 Manufacture

- A. Letter/Logos shall be made of Laser Cut Acrylic
- B. Letters shall be _____ letter style or font, and shall be _____ inches high as indicated in approved drawings.
- C. Mounting shall be _____ with a perfect pattern or drilling pattern, designating stud locations, for mounting on a _____ surface.

Part III - Execution

3.1 Installation

- A. A qualified installer shall install Laser Cut Acrylic letters and logos.

3.2 Warranty

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

3.3 Maintenance

- A. Cleaning of Letters / Logos as needed, per manufacturers recommendations.