

Formed Plastic Letters/Logos Specifications

Rev. 3/18/15

Part I – General

1.1 Scope

A. Furnish letters and hardware necessary to install thermoformed (formed) plastic letters and 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

- A. Cellulose Acetate Butyrate (C.A.B.). Wood and Cotton fiber based plastic (non-petroleum). Fully recyclable.
- B. Material tested to J2527, based on test parameters of SAE J1960 for UV exposure resistance.
 - 1. Specific heat of about 0.35. Specific Gravity 1.16-1.21
 - 2. Heat Combustion of approximately 10,400 BTU per pound (2.42 x 10⁷ J/Kg).
 - 3. Self Ignition temperature of 880° F (470°C), using ASTM D 1929.
 - 4. UL94 Flame Class: 94HB. Flame Spread Index: 130 (NFPA 286: Group B: Flame Spread: 26-75)
 - 5. Burn rate of .08/min.
 - 6. Smoke Develop. Index: 416
 - 7. Thermal Expansion rate: .00008/inch.

2.3 General Construction

- A. Thermoformed in either standard letter styles or custom letters or logos, per customer's vector art files.
- B. Formed in one of 30 standard pigmented C.A.B. colors or painted to match custom colors or art designs.
- C. Profiles: Flat face, Round Face, Prismatic Face or Sculpted. Individual Letters or connected script available.
- D. Standard Letter sizes or custom sizes per art. Largest single piece= 45" x 68". Larger pieces made in sections.

2.4 Mounting Hardware

- A. Formed plastic mounting options: Plain, Flange, Stud (Stud/Brick, Stud/Block, Stud/Rail), Pad, Combination, Combination All, Outside bracket, Wire, or free-standing.
- B. Formed plastic letters use 10-24 (3/16") Aluminum studs (Stainless Steel Studs optional).

2.5 Manufacture

- A. Letters shall be made of cellulose acetate butyrate (C.A.B).
- B. Letter shall be _____ letter style 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 formed plastic letters.

3.2 Warranty

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

3.3 Maintenance

- A. Cleaning as needed per manufacturer recommendations.