

Part I – General

1.1 Scope

A. Furnish Gem™ Trim Letters for use in the sign-making industry. Gem™ Trim Letters are made from Impact Modified Acrylic faces and trim made from Cellulose Acetate Butyrate (CAB), extruded around aluminum foil.

1.2 Quality Assurance

- A. Manufacturer to have a minimum of 20 years experience in manufacturing letters.
- B. All Gem™ Trim Letters are to be manufactured by one manufacturer.
- C. The trim on the GemTrim is laser marked with a UR marking and is approved as a Recognized component for UL & CSA Signs.

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.geminsignproducts.com

2.2 Materials (Acrylic & CAB)

- A. Trim: Cellulose Acetate Butyrate (CAB) with an aluminum foil core. Profile Extruded.
- B. Faces to be cut from impact modified acrylic in multiple pigmented colors (1/8" & 3/16" thick)
- C. CAB is 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

2.3 General Construction

- A. Available in Block styles (6"-48"), serifs styles 10"-48") or custom logos.
- B. 1" wide trim is profile extruded in one of 28 standard colors or custom color matched (for larger programs).
- C. Acrylic faces are cut per order (block styles 6"-48", serif styles 10"-48", standard styles or customer provided vector art files.
- D.. Trim is solvent bonded to the face with WELD-ON #4, then internally sealed with WELD-ON #16.

Part III – Execution

3.1 Warranty

A. Gem™ Trim letters should be guaranteed for the life of the business against defects.

3.2 Installation

A. GemTrim letters are installed with standard mounting hardware (studs, pads, or a combination of the two).

3.3 Maintenance

A. Cleaning as needed per manufacturer recommendations.