

DIVISION 10 - SECTION 10 11 00 - VISUAL DISPLAY SURFACES

**PART 1- GENERAL**

**1.01 DESCRIPTION OF WORK**

A. Section Includes:

1. Wall-mounted, Coated Acrylic Dry-Erase Markerboards with polished aluminum standouts or aluminum trim (included series: Acuity, Acuity Frost, Clarity)
2. Mobile (on wheels) Metal Framed Coated Acrylic Dry-Erase Markerboards (included series: Perception, Vision)

**1.02 REFERENCED STANDARDS**

A. Underwriter's Laboratory

1. Flammability – UL 94: Rating = 94HB

B. Building Code Classification: CC2

C. American Society for Testing Materials

1. ASTM B221 Standard Specification for Aluminum and Aluminum Alloy Extruded Bars, Rods, Wires, Profiles and Tubes
2. Note: ASTM E84 - Standard Test Method for Surface Burning Characteristics for Building Materials - not applicable to determine smoke density for thermoplastics

D. American National Standards Institute (ANSI)

1. ANSI Z 97.1 Approved for Safety Glazing Materials Used in Buildings

C. Indoor Air Quality (e.g. GREENGUARD Environmental Institute Certification)

1. Products have extremely low residual monomers – evidenced by the product being used in museum-quality art framing where outgassing would not be acceptable. In addition, vinyl lettering has been applied to the surface material and observed for years without any bubbles forming under the letters which would be evidence of outgassing. The surface product has not been submitted for GREENGUARD Indoor Air Quality testing.

**1.03 SUBMITTALS**

- A. Manufacturer's Instructions: Provide manufacturer's installation instructions.
- B. Drawings: Provide dimensions for placement of each markerboard as required.
- C. Product Data: Provide technical data for materials specified including Material Safety Data Sheets, when applicable.

**1.04 QUALITY ASSURANCE**

A. Manufacturer Qualifications:

1. Manufacturer shall be a firm engaged in the manufacture of visual display boards in the United States and/or Canada.
2. Manufacturer shall have a minimum of 3 years experience in the manufacture of visual display boards.

- B. Operation and Maintenance: Include data on regular cleaning, stain removal, and precautions.

**1.05 PROJECT CONDITIONS**

- A. Field measure prior to installation and/or fabrication to ensure proper fit.
- B. Comply with manufacturer's recommendations for acclimating area for interior moisture and temperature to approximate normal occupied conditions.

**1.06 DELIVERY, STORAGE AND HANDLING**

- A. Schedule delivery of markerboards with area sufficiently complete to allow installation after delivery.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Store materials protected from exposure to harmful weather conditions and at temperatures and

humidity conditions recommended by manufacturer.

#### 1.07 WARRANTY

- A. Submit that under normal usage and maintenance, and when installed in accordance with manufacturer's instructions and recommendations, Clear Future coated acrylic markerboards are guaranteed for five years from the date of installation. Guarantee covers replacement of defective boards but does not cover cost of removal or reinstallation.

### **PART 2 - PRODUCTS**

#### 2.01 MANUFACTURERS

- A. Clear Dry Erase Manufacturer: Clear Future Markerboards, London, Ontario, Canada N5Z 3L1  
Toll-Free 866-559-1158; [info@clearmarkerboard.com](mailto:info@clearmarkerboard.com); [www.clearmarkerboard.com](http://www.clearmarkerboard.com)

#### 2.02 MATERIALS USED IN MARKERBOARDS

- A. Clear Writing Surface – Continually manufacturing acrylic sheet, specially coated to resist chemicals and abrasion.
  - 1. Acrylic is readily recyclable – and can be reverse-polymerized to yield original chemical base, which can then be re-used to make acrylic or a number of other commercial products.
  - 2. Clear Future markerboard surfaces are either 6 or 12 millimeters in thickness and contain an average of 20 percent and up to 75 percent pre-consumer reclaimed acrylic.
  - 3. Clear Future Markerboard surfaces are:
    - i. free from bisphenol A,
    - ii. free from plasticizers and components such as formaldehyde, paints, or adhesives
    - iii. if other than clear in color, pigments contain no heavy metals
- B. Mounting Standouts are manufactured from:
  - 1. Aluminum
  - 2. Stainless Steel (threaded insert)
- C. Frames for wall mounted markerboards (series: Clarity)
  - 1. Extruded aluminum
  - 2. Supplied wall mounting hardware
- D. Frames for Mobile Markerboards (series: Perception, Vision)
  - 1. Frames: manufactured from extruded aluminum with stainless steel hardware or powder-coated steel with stainless steel hardware
  - 2. Color: anodized aluminum or abrasion-resistant, silver hammertone finish
- E. Accessories:
  - 1. Clear Marker Tray
    - a. Clear acrylic
  - 2. Magnet Panel or Map Magnet Rail
    - a. Powder coated steel in silver or user-specified, hammertone finish

### **PART 3 - EXECUTION**

#### 3.01 PROJECT CONDITIONS

- A. Verify before installation that wall surfaces are true and plumb and are prepared and ready to receive markerboards and are not outside normal conditions (e.g. through dampness or lack of heat).

#### 3.02 INSTALLATION

- A. Handle and store markerboards in such a way as to prevent damage prior to installation.
- B. Unpack items as near as practical to final installation location(s).

- C. Remove markerboards and/or accessories from shipping containers with care to prevent damage to markerboard surfaces and metal frames.
- D. Follow architect, design, or facility management installation instructions.
- E. Install level and plumb.

### 3.03 ADJUST AND CLEAN

- A. Verify that all accessories are installed as required for each unit.
- B. At completion of work, clean surfaces and trim in accordance with manufacturer's recommendations, leaving all materials ready for use.