

## Section 12 51 00 – Office Furniture

This specification guide has been prepared by Skyline Design, as an aid to specifiers in preparing written construction documents for writable glass whiteboard, utilizing Skyline Design’s Define Glassboard. Common applications for glass markerboards include conference rooms, private offices, executive suites, welcome areas, and educational settings such as classrooms, lecture halls, seminar rooms, research labs, study rooms, administrative offices, student lounges, advising centers, and conference rooms. Other commercial uses include meeting spaces, brainstorming areas, collaborative workstations, and training rooms.

**Specifier Notes:** This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including MasterFormat, SectionFormat, and PageFormat, as described in The Project Resource Manual — CSI Manual of Practice, Fifth Edition. This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” after editing this section. Section numbers are from MasterFormat 1995 Edition, with section numbers from MasterFormat 2004 Edition in parentheses. Delete version not required.

Skyline Design reserves the right to modify these guide specifications at any time. Updates to this specification guide will be posted to our web site as they occur. Skyline Design makes no expressed or implied warranties regarding content, errors, or omissions in the information presented.

**Specifier Notes:** This section covers Define Glassboard with mounting type. It is a fixed, glass, magnetic, dry-erase markerboard. Consult Mitch Godwin for assistance in editing this section for the specific application.

### Part 1 — General

#### 1.1 SECTION INCLUDES

- A. Fixed, glass, magnetic, dry-erase markerboards with mounting type Skyline fully integrated uni-fit hanging system.

#### 1.2 SUBMITTALS

**Specifier Notes:** Edit submittal requirements as required. Delete submittals if not required.

- B. Submittal Procedures must comply with Section 125100 (12 51 00).
- C. Product Data: Submit manufacturer’s product data, including installation instructions.

**Specifier Notes:** Delete samples if not required.

## Define™ Glassboard CSI Specification Guide and Install

- D. Samples: Submit manufacturer's sample of dry-erase boards, minimum 4"x4".
- E. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- F. Cleaning Instructions: Submit manufacturer's cleaning instructions.
- G. Warranty Documentation: Submit manufacturer's standard warranty.

### 1.3 DELIVERY, STORAGE, AND HANDLING

#### A. Delivery and Acceptance Requirements:

- 1. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

#### B. Storage and Handling Requirements:

- 1. Store and handle materials in accordance with manufacturer's instructions.
- 2. Keep materials in manufacturer's original, unopened containers and packaging until installation.
- 3. Store materials in clean, dry area indoors.
- 4. Protect materials during storage, handling, and installation to prevent damage.

### 1.4 WARRANTY

- A. Warranty Period: A limited lifetime warranty against manufacturer defect and workmanship under normal conditions as determined by Skyline Design and when proper cleaning and handling instructions have been followed.

## Part 2 — Products

### 2.1 MANUFACTURER

- 1. Skyline Design, Inc.

**Specifier Notes:** Specify markerboard size.

### 2.2 FIXED MARKERBOARDS

#### A. Fixed, Magnetic, Dry-Erase, Glass Markerboards: Define Glassboard

- 1. Size: Sizes from 72" x 144"
- 2. Components (back to front):
  - i. Magnetic or Non-magnetic Backer: 22-gauge galvanized steel with high-bond adhesive covering entire surface to permanently bond steel to glass.
  - ii. Finish: High-resolution ceramic frit ink or UV printing and/or Vitracolor paint library, back painted finish to be low VOC water-based.
  - iii. Glass: 1/4" thick, tempered, Vitro Starphire low-iron glass, with flat polished edges.
- 3. Fastening Methods:
  - i. Directly adhere to the wall using DOW 995 silicone adhesive with 1" diameter and 1/2" thickness, placed 4" from the edge of the panel and a maximum of 8" between adhesive spots.
  - ii. Using z-clip cleats that are aligned and fastened to the wall, the glassboard is hung by placing its metal backer lip over the cleats.
  - iii. The glassboard is mounted on edge grips that are fastened to the wall with toggle anchors and tightened with set screws.
  - iv. The glassboard is mounted on posts, penetrating the glass, that are fastened to the wall

- with toggle anchors and tightened with set screws.
4. Surface: Non-staining writing surface compatible with any marker.
  5. Shop fabricated.

### 2.3 ACCESSORIES

**Specifier Notes:** The following accessories are available for purchase with each markerboard.

- A. 0.876" dia. x 0.355" thick button whiteboard rare earth magnets in white or black.
- B. Anodized platinum 12" tray adheres permanently to the glassboard.
- C. Magnetic anodized platinum 12" tray with a traction pad.
- D. Magnetic white eraser with a 3-pack of felt inserts hidden inside.
- E. Standard dry erase board eraser.
- F. Magnetic white marker holder fits 8 standard dry-erase markers.
- G. A 4-pack of whiteboard markers in red, blue, green, and black.
- H. A single black whiteboard marker.

## Part 3 — Execution

### 3.1 EXAMINATION

- A. Examine walls to receive markerboards.
- B. Notify Architect of conditions that would adversely affect installation or subsequent use.
- C. Do not begin installation until unacceptable conditions are corrected.

### 3.2 INSTALLATION

- A. Install markerboards in accordance with manufacturer's instructions and diagrams.
- B. Install markerboards plumb, level, and square.
- C. Mount markerboards securely in place with included Z-clips or Edge-grips or posts or by direct adhesion to wall surface.

### 3.3 CLEANING

- A. Clean markerboards promptly after installation in accordance with manufacturer's instructions.
- B. Do not use harsh or abrasive cleaning materials or methods that could damage the surface.

### 3.4 PROTECTION

- A. Protect installed markerboards from damage during construction.

## Part 4 — Testing

### 4.1 TESTING OF PRODUCT

- A. Pencil Hardness (ASTM D3363) / 4H-5H
- B. Cross Hatch Tape Adhesion (ASTM D3359 Method B) / 5B (100%) Adhesion
- C. Solvent Resistance (200 Double Rubs) / Methyl Ethyl Ketone, Isopropyl Alcohol, Acetone, Lacquer Thinner, Xylene
- D. Acid Resistance (Spot Test Method Under Watch Glass 96 Hours 5% Sulfuric & 5% Nitric) / No Effect
- E. Effect of Household Chemicals (ASTM D1308) / No Effect

- F. Effect of Silicone (Dow Corning® 995 Silicone Structural Sealant) / No Effect
- G. Water Immersion, Boiling Water (2 Hours) / No Effect
- H. Water Immersion, Room Temperature (1000 Hours) / No Effect
- I. Ultraviolet Accelerated Weathering (ASTM G53; UVB 340nm Lamp 1000 Hours UV Radiation, Continuous Exposure) / Average Change <1.00D
- J. Standard Test Method for Apparent Shear Strength (Average Results, ASTM D1002) / Primed MDF, 24 LBF at 47 PSI / Primed Drywall, 46 LBF at 91 PSI
- K. Standard Test Method for Apparent Shear Strength (Average Results, ASTM D1002-05 Adapted) / 13.9 PSI
- L. Standard Test Method for Apparent Shear Strength After Ultraviolet Accelerated Aging (Average Results, UV Aging per ASTM G154 Modified per ASTM D1002-05 Adapted) / 40 PSI

**END OF SECTION**