

# **Slatwall Display Panels – Suggested Specifications**

## **Part 1 General**

### **1.1 Summary**

A. Slatwall merchandising and display panels for primary use as perimeter wall or floor fixturing in retail, merchandising and display applications.

### **1.2 Related Sections**

A. Section 06420 – Paneling: architectural paneling

B. Section 06771 – Decorative Wall Surfacing: manufactured paneling

### **1.3 Submittal**

A. Product Data: Manufacturer's printed product data for each product indicated in this section.

B. Drawings: Manufacturer's detailed drawings showing product dimensions and features.

C. Manufacturer's installation instructions: Printed installation instructions outlining recommended procedures.

D. Product Samples: Product samples available on request

### **1.4 Delivery, Storage and Handling**

A. Inspect shipments upon receipt. Notify manufacturer if there are any problems with the order. Check to make sure you have the right number of pieces (as stated on the delivery receipt). Check for any outside damage to crates, boxes, or panels. If you find "hidden damage," call the manufacturer. It can be helpful if you take photographs of any damaged goods. Save all packing materials.

B. Store panels in a dry environment. Keep away from outside exposure.

C. Keep panels off the ground. Store units with spacer sticks underneath.

### **1.5 Project conditions**

A. Panels are best installed inside under normal interior temperatures with low humidity and good ventilation.

### **1.6 Warranty**

A. Manufacturer warrants the shipment of products - the same type, size and quantity as originally ordered.

## Part 2 Products

### 2.1 Manufacturers

A. Acceptable Manufacturers: Wind Mill Woodworking, Inc., 200 Balsam Road, Sheboygan Falls, Wisconsin 53085 • 920.467.2402 • FAX 920.467.6114 • email: [slatwall@windmillwood.com](mailto:slatwall@windmillwood.com) • website: [www.windmillwood.com](http://www.windmillwood.com)

B. Substitutions: Not Recommended

C. Request for substitution will be considered in accordance with provision of Section 01600

### 2.2 Materials

A. Slatwall display panels: MDF (medium density fiberboard) with cut grooves to accept standard slatwall accessories for merchandising displays.

1. Standard panel size: ¾" (19.05 mm) x 48" (1220 mm) x 96" (2438 mm) +/- .0625" (1.6mm) on squareness, or +/- .125 (3mm) as measured diagonally across the boards.

2. Board properties: 48 lb. (21.8 kgs) density with an internal bond strength of 110 lbs (50 kgs) per square inch. MDF has a linear expansion of .30% and a moisture content of 6-8%. The screw holding capacity for the face is 350 lbs (159 kgs) and 275 lbs (125 kgs) for the edge. Other plywood's, veneers, fire-rated and 150 lb internal bond strength boards are available on request.

3. Groove spacing: Slatwall groove spacing are: 3" oc (on-center)(75 mm), 4" oc (100 mm), 6" oc (152 mm) , 8" oc (200 mm), 9"oc (223 mm) and 12" oc (300 mm). Custom groove spacing are available on request.

4. Groove measurements: Opening: 3/8" (9.525 mm), lip: ¼" (6.350 mm), groove: ¼" (6.350 mm), back ¼" (6.350 mm).

5. Surface finish: Wind Mill's melamine is a post-impregnated melamine paper adhered

under heat and pressure directly to the MDF substrate.

6. Surface finish: High pressure laminate, vertical thickness .03" (0.7 mm) thick, bonded with a vinyl acetate copolymer (Laminating 51) glue to MDF via Black Brothers cold press laminating line.

7. Surface finish: Wood veneers, rotary cut in a .035" (0.9 mm) thickness. These panels have a veneer backer to achieve balance. Red oak, birch, knotty pine and maple are in stock. Other wood veneer species are available on request.

8. Surface finish: Mirror acrylic is a .08" (.20 mm) thick acrylic polymer sheet with a silver backer. The sheet is adhered with a polyvinyl acetate (PVA) glue to an 11/16" (17.46 mm) MDF board. It comes with a paper mask to protect the surface.

9. Surface finish: Painted panels come with 2 coats of an acrylic water-base or lacquer paint applied 2-4 mls thick (depending on the color – black is a lacquer finish). There is a sanding/sealing operation between applications. These finishes meet all EPA requirements and cure in 24-36 hours. Other epoxy and latex finishes are available on request.

10. Surface finish: Primed panels receive one coat of finish.

11. Groove finish: None

12. Groove finish: Painted to match face

13. Groove finish: Custom painted to customers specifications

14. Groove finish: PVC accent strips – solid color PVC (polyvinyl chloride) strips for covering the backs of the grooves – available in black, white, gray, almond and red. PVC accent strips come available as either a 625' (190.5 m) roll, covering 5- 3" oc (on-center) panels, or as a 125' (38 m) roll, covering 1 – 3" oc panel.

15. Groove finish: Full vinyl inserts (polyvinyl chloride) PVA (factory installed) cover the full groove and come available in: white, gray, red, black and almond.

16. Groove finish: Mill aluminum inserts are an extruded 6061, or 3003 wrought aluminum with a silver finish. The aluminum inserts slightly more than double the strength of the panels.

17. Groove finish: Anodized aluminum inserts are painted and anodized extruded 6061, or 3003 wrought aluminum – black, gold and champagne. Other custom anodized inserts are available on request.

18. Groove finish: Painted mill aluminum inserts – custom colors per customer's specifications.

## Part 3 Execution

### 3.1 Examination

A. Install in an enclosed interior space – as intended during occupancy.

### 3.2 Preparation

A. Open cartons/crates and allow the product to reach room temperature before installation.

B. Prepare wall surfaces using CSI specifications for installing wall paneling.

C. Protect any necessary surrounding surfaces from damage during installation.

### 3.3 Installation

A. Install over existing plaster or drywall.

B. Install over wall-board directly onto studs (wood, or metal).

C. Panel adhesive is recommended for permanent installations.

D. Drywall screws of the proper length work well. Note: Other wood screws with the proper sized head can work, as well.

E. Drive screws through the center of the back of the grooves. Take care not to damage the groove lips during installation.

F. Cutting to size should be done so the saw blade enters the grooved side of the panel (to avoid chip-out). Always check the direction of the saw blade prior to cutting. Note: Table saw blades and portable circular saw blades often spin in opposite directions.

G. Follow mounting instructions located on the stickers adhered to the backs of each panel. Note: Mounting instruction stickers indicate the "fence side of the panel during the machining process." Installing the panels keeping all the "fence sides" congruent will afford the optimum groove alignment.

H. During installation, avoid damaging the panel's surface with adhesives or other installation tools, or materials.

### 3.4 Clean Up

A. Do not use harsh abrasives, or cleaning solvents - they may damage the surface finish.

B. Soft cloth rags and gentle cleaning solvents work best.