



10331 Date Street
Murrieta, CA 92562
info@foremanproducts.com
951-677-1955

SECTION 10 5130 – HYBRID LAMINATE LOCKERS
W/ PHENOLIC DOORS

PART 1 GENERAL

Specifier Notes: This product specification must be reviewed and edited carefully to meet the requirements of the project, building codes and for product selections.

1.01 SECTION INCLUDES

Specifier Notes: FOREMAN™ uses a combination of the high-end technology of integrated hinges, aluminum profiles and solid phenolic doors secured with through bolts to eliminate the weakest point of all other lockers-the standard hinge. Foreman's Hybrid Lockers uses this technology and combines it with a melamine surfaced pine-core particle board locker body. The result is a locker at a more affordable price that exceeds the overall performance characteristic of conventional particle board melamine lockers.

- A. Foreman Locker Systems Wood/ Phenolic Hybrid Lockers
- B. Foreman Floor Mounted Pedestal Phenolic Benches
- C. Foreman Free-standing Phenolic Benches

1.02 SUBMITTALS

- A. Submit under provisions of Section 01 300.
- B. Shop Drawings: Submit shop drawings indicating size, dimensions, material thickness, trim, hardware, furnishings, doors, bases, locks and installation details.
- C. Product Data: Submit manufacturer's technical data sheets for materials, fabrications, furnishings, fasteners, and hardware.
- D. Maintenance Information- refer Phenolic doors refer to Max Compact Interior Plus Laminates by FUNDERMAX™, FunderMax North America Inc., Charlotte, NC, USA.
- E. Samples: Submit sample of phenolic patterns and colors.

1.03 QUALITY ASSURANCE

Specifier Notes: FOREMAN® Lockers can be installed by trained staff. Foreman can provide a representative to train your installation team. Contact FOREMAN for more info. Delete options not selected.

- A. Manufacturer shall have a minimum of five (5) years experience in fabrications of wood materials under Section 10 5100 and phenolic materials under Section 5129.
- B. Installer shall be approved by the manufacturer and have not less than 5 years experience in the installation of wood lockers.
- C. Manufacturer shall provide a representative to supervise installation.
- D. Manufacturer shall provide a representative to train staff in installation

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- E. Manufacturer to provide bid for factory installation.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store materials in manufacturer's original packaging until ready for installation.
- B. Assembled lockers should be stored horizontally or vertically, with a caul board or other protective sheet placed on top to protect the material from possible damage. The material should be protected from moisture, and should never be stored in contact with the floor or an outside wall. Optimum conditions for storage are approximately 75°F (24°C), and 45% to 55% relative humidity.

1.05 COORDINATION

- A. Field Measurements: Accurate field measurements are required for shop drawings, fabrication and installation of lockers and accessories.
- B. Coordinate manufacturing and delivery schedules to minimize installation delays.

1.06 WARRANTY

FOREMAN® Products, LLC warrants its Hybrid Locker phenolic doors to be free of defects in workmanship for a period of five (5) years from the date of purchase when properly shipped, stored, handled, installed and maintained under normal use. FOREMAN® further warrants the hinges integrated into the aluminum extrusions (profiles) for 5 years. FOREMAN® warrants the melamine body for one (1) year under normal conditions-not in shower or damp areas. FOREMAN® Locker Systems conforms to panel manufacturer's storage, handling, fabrication and installation requirements and specifications. In the unlikely event of the manifestation of any such conditions during the warranty period, the exclusive remedy available shall be the repair or replacement, at the manufacturer's sole discretion, of only the particular item or component exhibiting the condition with an item or component of similar size, color and/or grade (colors subject to dye lot variations). FOREMAN® makes no implied warranty of product's suitability for any particular purpose. Due to the variety of uses, applications and locations of the product, the determination of the suitability for any particular use of applications is the sole responsibility of the user. FOREMAN® disclaims any liability for incidental or consequential damages.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Specifications based on A. Specifications based on preassembled lockers constructed of solid particle board melamine locker body panels, solid phenolic door panels, aluminum extrusions (profiles) and integrated hinges, and zinc coated hardware.
- B. Manufacturer:

FOREMAN® Products, LLC
10331 Date Street
Murrieta, CA 92562
Phone 951-677-1955
Email: info@foremanproducts.com

2.02 MATERIALS

Specifier Notes: FOREMAN™ uses Fundermax™ Interior Plus grade phenolic for its Hybrid Locker doors, finish end panels and filler panels. FOREMAN® can source phenolic materials from other manufacturers if required. Contact a Foreman representative for information on pricing and delivery times.

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FOREMAN™ uses commercial grade pine-core particle with TFM (Thermally Fused Melamine) surface for the locker body. Exposed edges have PVC banding.

A. Door panel, finish end panels, and filler panels material shall be constructed of phenolic treated kraft papers combined with Melamine-impregnated decorative surface papers, consolidated in a press at high temperatures.

Specifier Notes: Our standard phenolic materials have a fire test rating of ASTMA E-84 Class B. Class A phenolic materials can be special ordered. Please contact our sales staff for information on pricing and lead times. Please delete option not chosen.

1. Acceptable Product: Interior Plus Grade Phenolic by Fundermax™, or equivalent.
2. Acceptable Product: Compact™ by Formica Group, Cincinnati, Ohio, or equivalent.
3. Acceptable Product: Wilsonart Compact Laminate MC-BC0525, or equivalent
4. Phenolic materials shall have a fire test rating of ASTMA E-84 Class B (standard)
5. Panel types:
 - a. Doors shall be made of 3/8 inch (10 mm) thickness solid phenolic material, radius edges and polished smooth on exposed edges.
6. Core color black (standard).
7. Core color white (optional)

B. PROFILES

1. Acceptable Product: Commercial grade pine-core particle board with TFM (thermofused Melamine) from Royal Plywood or equivalent.
2. Panel types:
 - a. Bottoms, tops, shelves shall be 0.75 inch (19mm) thickness solid pine core particle board with melamine surface. Exposed front edges shall have 3mm pvc banding; and exposed side edges of top and bottom panels shall have 0.5mm banding.
 - b. Side panels shall be 0.75 inch (19mm) thickness solid pine core particle board with melamine surface. Exposed front edge of side panels shall have 3mm banding.
 - c. Back panel shall be 0.25 inch (6mm) thickness solid pine-core particle board

C. PROFILES

Specifier notes:

1. Profiles shall be aircraft grade aluminum extrusions.
2. Profiles shall have wall and inner members 1.5mm thick, panel slot walls 3mm thick.
3. Profiles standard finish: gray, powder coated polyester-epoxy single coat with an integral gloss finish.
4. Custom finish (premium): _____
5. Custom color (premium): _____

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Specifier Notes: FOREMAN® door hinges are integrated directly into the profiles not screwed in the substrate, increasing the security performance. Hinge wings are continuous for the length of the profile and the door wings are bolted through the door material for additional strength and security.

D. Hardware

1. Hinges
 - a. Hinges shall be made of 3.5 mm thickness extruded aluminum.
 - b. Frame wing shall be extruded aluminum continuous with length of the door openings and sealed with a plastic insert.
 - c. Continuous nylon hinge pin secured by top and bottom set screws.
 - d. Door wing fastened with M7 through-bolts to door panels
 - e. 3 hinges per door - one tier locker
2 hinges per door - two to six tier locker
2. FOREMAN® Latch/ Hasp (optional) shall be made of anodized heavy duty cast aluminum with a 10 mm padlocking hole.
3. Strike Plates shall be:
 - a. 1.5 mm thickness steel, zinc coated,
4. Hanging 3-pronged swivel hook to be polished aluminum, diameter of 53mm, attached with 3 fasteners (one, two and three compartment lockers only).
5. Fasteners shall be zinc coated steel.

Specifier Notes: FOREMAN® Hybrid lockers are curb mounted. FOREMAN offers an optional base that is 4 inches high 19mm particle board with melamine surface. Recess on end lockers is one inch. Recess from front of locker is 2 inches. Please select base option.

E. Bases

1. FOREMAN® Base (optional) 4 inch high, 19mm particle board with melamine surface.
2. Curb mounting or bases by others

Specifier Notes: Select options from the list below and delete those not required. Contact our representative for assistance.

F. Accessories

1. Interior top/hat shelf with hanging 3 prong hook.(Standard in single tier lockers only)
2. Interior top/hat shelf optional for two and three tier lockers.

G. Lock Systems

Specifier Notes: Select optional lock or hasp/latch after consulting with FOREMAN® rep. FOREMAN® offers a wide range of locking options. Standard brushed aluminum number plate is included in price.

1. FOREMAN® Hasp/Latch for User Selected Padlock
2. Gantner Technologies
3. Ojmar
4. Digilock
5. Burg
6. CompX
7. Real
8. Schlagbaum
9. ASSA/Abloy

H. Numbering Plates

1. Brushed aluminum
2. Metal Inset
3. Black lettering

Specifier Notes: Foreman® offers a full range of colors, patterns, wood grains and custom graphics. See 2.02 Materials for alternatives. Contact Foreman for color sample, lead times and pricing. Contact FOREMAN for optional finish end and filler panel colors.

I. Locker Colors

1. All phenolic door panels have black cores (standard).
2. Interior panels: white with white PVC banding on exposed edges.
3. Door panels: _____

2 .03 LOCKER SIZES AND CONFIGURATIONS

Specifier Notes: Foreman standard sizes are metric. US imperial dimensions are available. Custom dimensions are available Select locker sizes and configurations based on plans. See Product Data Sheets (www.foremanlockers.com/data/spec.) for standard dimensions and configurations. Contact FOREMAN® for shop drawings and additional assistance as needed. Standard depth is 504mm (20 inch) and standard widths are 305mm (12 inches) and 381mm (15 inches). Contact FOREMAN for custom width and depth pricing and delivery.

A. Sizes

1. Height: (Standard without base): 1800mm (70.87 inches)
2. Width: 305mm (12 inch) standard
3. Width: 381mm (15 inch) standard
4. Width: Custom _____
5. Depth- 504mm (20.00 inches) Standard depth.
6. Depth Custom: _____

B. Configurations:

1. One tier
2. Two tier
3. Three tier
4. Four tier
5. Five tier
6. Six tier

2 .04 Fabrication

- A. Lockers fabricated using dowels, glue, screws and staples.
- B. Fabricate lockers square, rigid and without warp, with faces flat and free from scratches.

PART 3.0 EXECUTION

3.01 EXAMINATION

- A. Examine installation site for satisfactory preparation. Notify architect of unacceptable preparation or conditions
- B. Do not install lockers until unacceptable conditions are corrected.

3.02 INSTALLATION

- A. Install lockers in accordance with manufacturer's instructions.
- B. Install lockers in accordance with manufacturer's instructions for plumb, level, rigid, flush and square.
- C. Anchor lockers to wall studs or furring strips through the locker back.
- D. Install lockers on base specified in shop drawings. Secure locker to base through the locker floor.
- E. Install required filler and finish panels according to shop drawings.
- F. Attach number plates per specs.
- G. Install locking mechanisms according to manufacturer's instructions.
- H. Clean lockers, adjust doors and locks, and remove installation tools and materials.

END OF SECTION