

Design-Tec® Lockers – Athletic Locker

General Information

Standard Size: Locker body without plinth

Height: 71-3/4" (1822mm)
Width: 27" (686mm)
Depth: 24-3/8" (619mm)

Custom Sizes Are Available – Call for quotation and custom engineering

Locker Body And Doors - Locker side panels are made of strong 1/2" (13mm) thick solid phenolic composite panels in a rough matte finish. Phenolic panels are composed of decorative papers impregnated with melamine resin with a clear protective overcoat. This covering is integrally compression molded with a core consisting of solid phenolic impregnated kraft papers. All shelves, tops, bench tops, and intermediary dividers are 1/2" (13mm) thick. All bottoms and fronts are 1/2" (13mm) thick and have ventilation holes. Locker backs are 1/4" (6mm) thick. Since the lockers are water and rust resistant inside and out, they can be steam jet cleaned or chemically disinfected. The athletic locker's features and configurations are especially suitable for sports facilities and athletic teams. Standard features include an open section that can be used for equipment, laundry and uniform storage. A lower storage compartment stows bulky equipment and also serves as individual bench seating. Personal items can be secured in the upper section with a user-supplied padlock or factory-supplied keyed or combination lock.

Locking Systems - Cam preparation for padlock, Kenstan® or Medeco® (high security) keyed locks, or built-in combination locks with master keys, Real Lock® combination with matching keys.

Bench Seating – Full locker interior depth, individual and integral bench seating.

Accessories – Standard accessories included with each locker include two single-prong, two double-prong sidewall hooks, and one full width coat rod. Finished end panels and filler panels are 1/2" (13mm) solid phenolic with same construction as the locker body. Optional sloping tops are 1/4" solid phenolic.

Colors – Shorter lead-times are available by selecting colors from our quick ship color collection color range. A wide range of colors are also available with an extended lead-time.

SECTION 10 51 00
Design-Tec® Lockers – Athletic Lockers
(Solid Phenolic Athletic Lockers)

Part 1-General

Specifier Note: This product guide specification must be reviewed and edited to meet the project requirements, building codes, and to select product options. This section includes Design-Tec® Lockers as manufactured by Spec-Rite Designs, LLC.

1.01 Summary

Specifier Note: Design-Tec Lockers are fabricated from solid phenolic flat panels based on resin saturated cellulose fibers manufactured under high pressure and temperature. The decorative surface is applied to the core during the panel manufacturing process. Therefore, the panel differs from HPL products because it is monolithic (the core and surface are homogeneous) and not glued to a core. Solid phenolic composite material resists moisture, graffiti, and chemicals.

A. Section includes: Design-Tec® Lockers-*Athletic Lockers*.

Specifier Note: The following section refers to products that match Design-Tec's aesthetic and performance characteristics and are typically required for similar applications and environments.

B. Related Sections:

1. Specialties: Division 10 Toilet Compartments. DesignRite® Partitions 10 21 13.
2. Specialty Casework: Division 12. DesignLine® Cabinets 12 35 53.

1.02 Submittals

- A. Submittals:** Comply with procedures and quantities as indicated in Division 1 Submittal Procedure Section.
- B. Shop Drawings:** Submit shop drawings indicating room sizes, layout, locker dimensions, material thickness, trim, hardware, finishes, locks, base, doors, accessories, and installation details.
- C. Product Data:** Submit manufacturer's technical data for materials, fabrication, finishing, fastenings, hardware, and installation details.

- D. **Samples:** Submit samples of edge details, colors, patterns, finishes, and textures.
- E. **Closeout Documents:** Submit the following:
 - 1. Operation and Maintenance data
 - 2. Warranty

1.03 Quality Assurance

- A. **Qualifications:**
 - 1. Fabricator shall have 10 years or more experience in fabrication of solid phenolic materials and shall be experienced in performing work of similar size and scope.
 - 2. Fabricator shall be capable of providing field service representation.
 - 3. Installer shall be approved by the manufacturer and be experienced in performing work of similar size and scope.
- B. **Pre-installation Meeting:** Conduct pre-installation meeting [2] [_____] weeks prior to installation to verify project requirements and conditions.

1.04 Delivery, Storage and Handling

- A. **Ordering:** Comply with supplier's ordering and lead-time guidelines to avoid delays.
- B. **Delivery:** Deliver materials in the manufacturer's original protective packaging.
- C. **Storage and Handling:** Store materials in an enclosed shelter providing protection from damage, temperature, humidity, and exposure to the elements.

1.05 Coordination and Project Conditions

- A. **Field Measurements:** Before material fabrication, verify actual field measurements and show actual measurements on shop drawings.
- B. **Coordination:** Coordinate field measurements with fabrication schedule construction progress to avoid construction delays.

1.06 Warranty

- A. Submit executed copy of Spec-Rite Designs 10-year warranty against defects in material and 2 years against workmanship signed by an authorized representative of Spec-Rite Designs.

1.07 Description

A. Lockers

Open-style athletic locker with integral individual bench seating consisting of solid phenolic panel material and corrosion resistant hardware to make a complete assembly.

B. Base

Specifier's notes: Select from the following or combination thereof.

1. Curb mounted: curb base not included with locker
2. Adjustable leg mounted: 3 3/4" adjustable to 5", ABS plastic mounting-leveling leg.

Part 2 – Products

2.01 Solid Phenolic Lockers

A. **Basis of Design:** Drawings and specifications are based on Design-Tec® Lockers.

B. Manufacturer and Fabricator:

Spec-Rite Designs, LLC
1054 Central Industrial Drive
St. Louis, MO 63110
Phone: 314-633-4978
Fax: 314 771-4597
Email: info@specritedesigns.com

C. **Model:** Design-Tec Athletic Locker fabricated from solid phenolic composite material.

2.02 Materials

A. Panel Material:

1. Decorative papers impregnated with melamine resin on faces with a clear protective overcoat and integrally compression molded within a core consisting of solid phenolic impregnated kraft papers.

Specifier Note: Panel Material is available in Class B or Class A fire rating (ASTM E84). Select from either option. Class A is available made to order at extended lead-time.

2. Panel Material shall meet fire resistance per ASTM E84 [Class B] [Class A].

3. Colors:

a. Core: Black

b. Locker Interior: (Manufacturer's quick ship color collection color range)
(Manufacturer's full color range - extended lead-time color collection).

c. Color-Thru

Specifier Note: Doors and ancillary panels are available in a wide range of colors at extended lead-time. A standard stocking range is available in shorter lead-time. Consult with manufacturer to avoid construction delays.

d. Doors and Ancillary Panels: (Manufacturer's quick ship color collection color range) (Manufacturer's full color range - extended lead-time color collection).

B. Doors:

1. Material: 1/2" (13mm) thick solid phenolic composite material.

2. Corners: Rounded

3. Edges: Crescent profile; machine polished and free from tooling imperfections.

4. Limit Arm: Provide stainless steel limit arm to allow maximum opening to 90 degrees.

Specifier Note: Doors can be attached to hinge by through-bolting (standard) or blind fixing (optional). Through-bolting is recommended for vandal-prone and high traffic areas. Blind fixing is recommended only for light duty areas where vandalism is not of concern.

5. Door Fastening: [Through Bolted] [Blind Fixing].

C. Locker Bodies

1. Exposed edges: Straight profile; eased edges to remove sharpness; machine polished and free from tooling imperfections.

2. Tops, bottoms, and intermediate shelves: 1/2" (13mm) thick solid phenolic composite material with ventilation holes.

3. Locker backs: 1/4" (6mm) thick solid composite material.

4. Locker Sides: 3/8" (10mm) thick solid phenolic composite material.

Specifier Note: Locker bodies are modular and can stand alone as a single unit. Locker body side panels have exposed fasteners. Applied finished end panels conceal fasteners when locker side is visible from the layout conditions. Filler panels enclose exposed fasteners when locker side meets a corner or wall. Finished end panels and/or filler panels are required for a finished installation.

D. Ancillary Panels: Finished end panels and closures shall be 1/2" (13mm) thick solid phenolic composite material.

E. Hardware

1. Hinges:

a. Material: 304-grade stainless steel.

b. Quantity: Three (3) for full height doors and two (2) for multi-tier units.

2. Interior hooks:

a. Material: Stainless Steel.

b. Side Hook: Two single-prong hooks per locker and two double-prong hooks per locker.

3. Retaining Bar: Provide stainless steel limit arm opening no more than 90 degrees.

4. Fasteners: Exposed fasteners shall be 304 stainless steel.

5. Fastener Application: Apply directly into or through the material.

6. Other Reinforcement: Aluminum or metal profiles for reinforcements shall not be permitted.

7. Bench Lid Dampener: [1] [2] hydraulic dampener(s) per bench lid.

F. Base

Specifier Note: Edit this paragraph to indicate curb type(s) and indicate on plans.

1. Base not furnished with Locker: (Curb mounted) (_____)

2. Base furnished with locker: Adjustable leg mounted: 3 3/4" adjustable to 5", ABS plastic mounting-leveling leg.

2.03 Size

Specifier Note: Indicate locker size(s). Each locker "frame" is modular and includes the overall height of the locker (less the curb). Consult manufacturer for custom sizes.

A. Overall Height: (71-3/4") (_____)

B. Overall Width: (27") (_____)

C. Overall Depth: (24-3/8") (_____)

2.04 Accessories and Options

Specifier Note: Select required accessories and delete items not required. Consult manufacturer for accessory recommendations.

Specifier Note: A choice of locking options is available to meet the various needs of locker users. Consult with manufacturer for lock selection recommendation. Specify lock selection(s) and indicate on plans where applicable.

- A. Locking System:** (Cam preparation for padlock) (Kenstan® spring-bolt key lock) (Medeco® (high security) key locks) (MasterLock® built-in combination lock) (_____).

Specifier Note: Sloping tops are optional, flat tops are standard and are included as part of the locker body. Specify sloped or flat tops.

- B. Locker Top:** ½” top shall be (Flat] (Sloped width ¼” (6mm) thick solid phenolic composite material).

C. Door Identification:

1. Number Plates: (Identification plates to be stainless steel with engraved numbers and surface mounted with permanent adhesive integral with the locking mechanism) (Brushed Aluminum Disk 1-1/2” diameter with permanent adhesive) (Brass Disk 1-1/2” diameter with permanent adhesive) (Stainless Steel Disk 1-1/2” diameter with permanent adhesive). (Optional: plastic plate with black background with white font.)
2. Fonts to be a minimum 1/2” high and up to four alphanumeric characters.
3. Numbering sequence to be provided by architect.

- D. Hang Rod:** Chrome plated **zinc, galvanized, cadmium-coated steel**

- E. Additional Door Ventilation:** (Holes through door in (diamond) (circle) pattern) (_____).

Part 3 – Execution

- 3.01 Examination:** Examine site conditions before locker installation. Notify architect of unacceptable areas. Do not install locker until unacceptable conditions have been corrected.

3.02 Installation

- A.** Install lockers in locations as shown on shop drawings per manufacturer's instructions.
- B.** Install lockers plumb, level, square, rigid, and flush.
- C.** Install all required trim, fillers, end panels, and closures per manufacturer's instructions.
- D.** Use hardware supplied or recommended by the manufacturer.
- E.** Attach number plates to doors as indicated on shop drawings.
- F.** Correct and/or replace damaged components as directed by architect.

3.03 Adjustment

- A.** Adjust doors and locks for smooth operation without binding.
- B.** Lubricate door hinges and locks per manufacturer's instructions.

3.04 Cleaning

- A.** Clean all surfaces in accordance with manufacturer's instructions.
- B.** Do not use abrasive cleaners.

End of Section