

SECTION 10500

TRESPA® PHENOLIC LOCKERS & BENCHES

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Solid phenolic lockers.
- B. Solid phenolic benches.

1.02 RELATED SECTIONS

- A. Documents affecting work in this section include, but are not limited to the GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS and Sections in Division 1 - GENERAL REQUIREMENTS of these Specifications.
- B. 09260 - Gypsum Board Systems.
- C. 09300 - Ceramic Tile.
- D. 10170 - Bathroom Partitions.
- E. 10400 - Signage for Lockers.

1.03 DESCRIPTION

- A. Lockers
 - 1. Curb Mounted: curb/base by others
 - 2. Adjustable Leg Mounted: 4" to 6" fully adjustable, nylon mounting leg
 - 3. Frame Mounted with Integral Bench: 2" x 2" square aluminum frame, 18" high with fully adjustable mounting feet. Integral bench frame optional.
- B. Benches (not integrally mounted): H-frame or post mounted, 2" x 2" aluminum frame, powder coated 18" high with 3/4" Trespa benchtop.

1.04 SUBMITTALS

- A. Submittals, procedures and quantities are specified in Section 01340.
- B. Shop Drawings: Submit shop drawings indicating sizes, dimensions, thickness, trim, hardware, finishes, 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 Trespa color and pattern selected for verification.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver and store materials in the manufacturer's original protective packaging. Store materials in an enclosed shelter providing protection from damage and exposure to the elements.

1.06 COORDINATION

- A. Field Measurements: Secure field measurements before preparation of shop drawings and fabrication where possible, for proper and

adequate fabrication and installation of the work.

B. Coordination: Furnish inserts and anchorage which must be built into other construction for installation of locker and benches.

1.07 WARRANTY

A. Trespa panels to be warranted against delamination for 10 Years. The factory authorized fabricator, product installer and phenolic manufacturer must sign the warranty and submit a copy to the General Contractor. The project name must be on the warranty.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

A. Drawings and specifications are based on lockers fabricated using Trespa Athlon® solid phenolic panels. For information on Trespa locker dealers and fabricators, contact your local Trespa representative, or Trespa North America, 12267 Crosthwaite Circle, Poway, CA, 92064, 800-487-3772.

2.02 MATERIALS

A. Doors, locker bodies, shelves, sloped tops and end panels shall be made from Trespa solid phenolic panels. Decorative papers impregnated with melamine resin on faces with a clear protective overcoat and integrally compression molded with a core consisting of solid phenolic impregnated kraft papers.

B. Panels to be U.L. registered and labeled for quality consistency.

C. Chemical Resistance: Evaluation of chemical resistance is based on SEFA's (Scientific Equipment and Fixture Association) standard list of 49 chemicals / concentrations, their required methods of testing and their minimum acceptable results as a means of establishing a minimum acceptable level of performance for all exposed and semi-exposed surfaces.

D. Panels to have screw pull-out strength minimums per the following chart (lbs.):

Screw depth:	#6	#8	#10	#12	1/4"	5/16"	3/8"	7/16"	1/2"
3/8" panels:	190	220	260	290	340	420	510		
1/2" panels:	250	300	340	390	450	560	680	790	900
3/4" panels:			510	590	680	850	1,000	1,200	1,400

E. Uniform load to cause no more than 1/4" deflection at center of the span:

Thickness:	12" x 24"	12" x 36"	12" x 48"	24" x 36"
3/8" panels:	170	50	20	100
1/2" panels:	370	110	45	220
3/4" panels:	1,400	400	170	800

F. Panel performance requirements:

1. Modulus of elasticity: 1,500,000 psi minimum.
2. Shear strength: 2000 psi minimum.
3. Compressive strength: 24,000 psi minimum.
4. Weight: 93 lbs. per cubic foot maximum.
5. Flame spread (ASTM E-84): Class 1A (25).
6. Non-porous surface and edges.
7. Will not support micro-organic growth.

2.03 FABRICATION

A. Component thickness schedule:

1. Doors: 1/2"
2. Locker bodies: 3/8"
3. End panels and closures: 1/2"
4. Slanted tops: 1/2"

B. Doors: Doors shall be with radiused corners and polished edges.

1. Colors and patterns as selected from Trespa standards.

C. Locker Bodies: Tops, bottom and any intermediate shelves shall be fixed together with special 316 grade stainless steel fasteners directly into the Trespa. No aluminum or metal profiles or reinforcements shall be permitted.

D. Hardware:

1. Hinges shall be 316 grade stainless steel - three for full height doors and two for multi-tier units. Hinges shall be bolted through the door and not tapped into the Trespa.
2. Locking System: Choice of hasp preparation or padlock by others, Medeco key lock, Masterlock recessed combination lock, or coin operated lock.
3. Interior hooks shall be grey nylon, colored throughout.
4. Provide stainless steel limit arm opening no more than 90 degrees.

2.04 LOCKER CHARACTERISTICS

A. Style: One-Tier / Two-Tier / "Z" / Three-Tier / Four Tier / Five Tier / Six Tier

B. Size:

1. width: 12" / 15"
2. depth: 12" / 15" / 18" / 20"
3. height: 60" / 72"

C. Top: Sloped / Flat

D. Base: concrete base / 4" adjustable leg / phenolic toe kick

2.05 BENCH CHARACTERISTICS

A. Sizes:

1. Width: 12" or 16"
2. Length: 2' to 8' (12" increments)
3. Thickness: 3/4"

B. Frame: 2" x 2" square aluminum anodized tubing

1. "H" frame for movable benches
2. Pedestals for fixed benches
3. Integral bench 18" above floor, 3" horizontal gap from face of lockers, 1 1/4" vertical gap below level of locker doors.

PART 3 - EXECUTION

