ROYAL
PLASTIC LOCKERS

"The Birthplace of Plastic Lockers"

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Solid Plastic Lockers

Why Choose Solid Plastic Lockers?
While steel is a common, economic and versatile material, solid plastic lockers have inherent advantages in many environments. Our lockers are made from High Density Polyethylene (HDPE) which is abrasion resistant, offers excellent impact resistance and has high tensile strength.

Our innovative one-piece body uses no mechanical fasteners or hardware. Body joinery is done using full length dado joints secured by continuous plastic welds. Even the hinges are designed without steel rods, which can pit and corrode when exposed to the environment.

Why Choose Royal Plastic Lockers?

All doors and frames are made from solid 1/2" thick HDPE plastic made from polymer resins formed under high pressure in the color selected. The surface has an attractive textured pattern which reduces marring. sides, shelves, tops and bottoms are made from natural white HDPE with a uniform matte surface.

Whether 1-tier, 2, 3, 4, 5 or 6-tier, all lockers share the same characteristics listed below. Lockers can be fastened together with tamper resistant fasteners to form groups or rows of any length!

Our Hinge Design!

We manufacture our own solid plastic hinge that under the most extreme moisture, corrosive chemicals, or dry heat conditions will not fail. We chose not to use metal hinges like our competitors basically because they will fail under the above conditions. It has been our experience that metal hinges almost always end up squeaking, binding or generally breaking when exposed to severe conditions and simply put ....Our Hinges Don't!

Our Latch Design! Our latch is clean with no visible mounting hardware. The sliding movement of our latch is accomplished by half of the slide being machined into the underside of the latch bar and mating half machined into the back side of the door. Mounting the latch this way makes it extremely strong because there are no fasteners to break or fail. We also feel that because of the above methods the mounting slides are hidden and therefore tamper proof.

Our Handle Design! Handle design. We wanted our handle assembly to be able to move vertically and feel like it was riding on bearings. So we did just that and designed a plastic sleeve bearing that rides a track in our latch bar and eliminates the friction normally generated by flat surfaces forced to slide against each other. This also allows us to be ADA compliant.

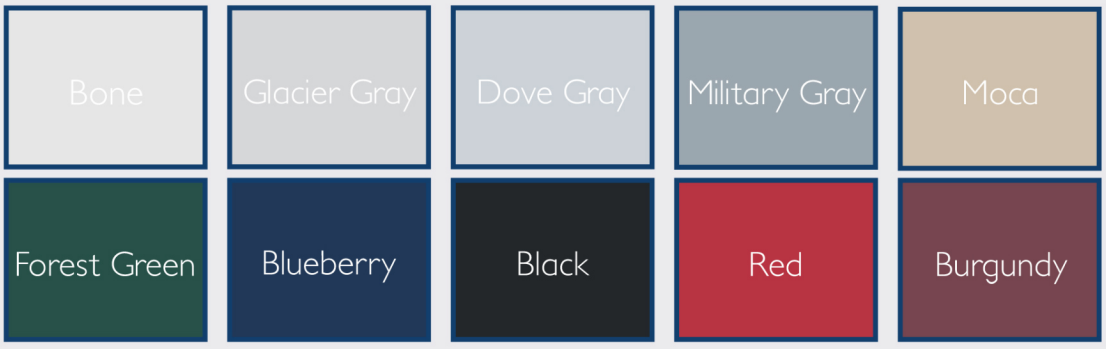
We also designed our handle to work independently of the latch bar. This will provide added strength if a door if a door gets slammed shut in the locked position. Usually when a door is forced shut while locked an excess amount of stress is exerted on the frame and the latch bar. By allowing our latch bar and handle assembly to work independently we eliminate that stress by allowing the latch to slide around the frame and lock.

Other standard plastic locker features include:

- Every door is made of durable 1/2" thick HDPE plastic and has ventilation ports at the top and bottom
- The door is lockable with combination or key padlocks for secure storage using a stainless steel hasp. Doors can be made to accept other locktypes on a production basis.
- Door strikes are on the top, bottom and full height of every door.

Plastic Locker Colors
Lockers are available in 10 standard colors listed. Nearly any custom color can be created to match your specific requirement.

Note: the colors in the image may not match the actual colors due to display differences.



PERFECT FOR YOUR SPECIAL ENVIRONMENT

Bring on the sun and water or even harsh cleaners and solvents without worries about rust, discoloration or delamination. Royal's solid plastic lockers make easy work of tough locker environments.

Other Locker Options

Other options available for your plastic lockers are key locks, built-in combination locks, mesh doors, 3" high bases, end panels and slope tops, aluminum number plates, and plastic coat hooks. Contact us if there are other options you would like that are not listed here.

Solid Plastic Cubbies

Royal Plastic Cubbie Lockers are made in all the standard and custom sizes as our regular lockers. Royal Cubbies are also available in every color offered for our plastic lockers. Cubbie lockers are built every bit as tough as our standard lockers but have no doors. Large size cubbies are available with welded coat hooks if needed. Cubbies are ideal for team uniforms or fire equipment, day-care centers, but no matter what your needs are, Royal Plastic Lockers can design and build the system for you.

Solid Plastic Benches

Rugged solid HDPE 1-1/2" thick by 9-1/2" wide benches ranging from 36" to 96" long. They will never delaminate, fade or splinter even in the most extreme locker room or natatorium environment. Non-absorbing plastic and mark-resistant surface ensure years of service!

Who Uses Solid Plastic Lockers?

- Outdoor Recreation Area
- Natatoriums
- Exterior Pool Areas
- Outpatient Areas
- Public Area Lockers
- Athletic Facilities
- Day Care Centers
- Employee Locker Rooms
- Food industry
- Pharmaceuticals
- Military
- Hospitals
- Schools

About Us

The Birthplace of Plastic Lockers

The first solid plastic lockers were created in our facility near Clifford, PA nearly 20 years ago. From those humble beginnings as a new company Royal Plastic Lockers has witnessed the plastic locker technology and market grow to become a normal component of many new projects. We are proud to continue our mission to be the company creating new innovations in plastic locker technology such as our floating latch bar, unexposed latch bar mounting assembly, and our solid plastic hinge.

Our Company

Our lockers are not just called solid plastic. We use a solid plastic hinge assembly, a solid plastic door latch system, and a solid plastic handle. Our box assembly is machined out of solid plastic using close tolerance computerized machines. The box is then formed and welded to form a strong, square one piece box. The best part is you will receive everything listed in the color of your choice and fully assembled ready to use... and our lockers are proudly manufactured and assembled in America!

SPECIFICATIONS SECTION 10500

PART 1 - GENERAL

1.01 1.01 SUBMITTALS

Shop drawings: Drawings showing individual locker construction, overall dimensions, including installation instructions, shall be submitted.

1.02 PRODUCT HANDLING

Store locker components flat until assembly. Protect all finishes from soiling and damage during handling.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Solid plastic locker shall be manufactured by Royal Plastic Lockers, 1431 Oswald Johnson Road, Clifford Township, Pa. 18441. These specifications shall be regarded a minimum; lockers constructed of other materials, or material with a core and not of solid plastic, will not be acceptable.

B. SIDES, SHELVES, TOPS AND BOTTOMS shall be made from polymer resin formed under high pressure to solid plastic components 3/8" thick with a homogenous color.

C. DOORS shall be made from polymer resin formed under high pressure to a solid plastic component 1/2" thick with a homogeneous color.

D. DOOR FRAMES shall be constructed from polymer resins formed under high pressure to a solid plastic component 1/2" thick with a homogeneous color.

E. MATERIAL TESTING All solid plastic components shall resist deterioration and discoloration when subjected to the following chemicals:

Acetic Acid 80	Borax	Hydrochloric Acid 40	Soaps
Ammonium Phosphate	Citric Acid	Hydrogen Peroxide 30	Potassium Bromide
Acetone	Caustic Soda	Isopropyl Alcohol	Trisodium Phosphate
Bleach 12	Cooper Chloride	Lactic Acid 25	Sodium Bicarbonate
Ammonia Liquid	Chlorine Water	Nicotine	Urea and Urine
Brine	Core Oils	Lime Sulfur	Vinegar

(Testing in accordance with corrosion-testing procedure established by The United States Plastic Corporation.)

F. CONTINUOUS LATCH shall provide a finger-slide latching mechanism that is capable of accepting a padlock and is securely fastened to the door. Latch mechanism shall be attached to the entire length of the door, providing a continuous security latch.

G. DOOR HINGE shall be continuous and integrate into the full length of the door and main locker body, made entirely from plastic without any steel or metal parts.

H. COAT HOOKS shall be a two prong hook molded from solid plastic attached using hardware supplied by manufacturer. One coat hook shall be supplied per opening.

I. FINISH shall be commercial grade smooth for tops, bottoms, side walls, shelves and frames, in the color white. Doors shall have a slightly textured finish to reduce marring and be from the manufacturers standard colors.

2.02 FABRICATION

A. Fabricate locker components square and rigid, with finish free from scratches and chips.

B. Solid plastic components will be dado joined to provide a continuous, solid and secure joint that slides together for assembly.

C. Locker sides and backs shall form a one-piece unit constructed from a single sheet of solid plastic requiring no hardware.

D. Door Frames shall be bonded to locker bodies using plastic welding process.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Install lockers at the location shown in accordance with the manufacturer's instructions for plumb, level, rigid and flush installations.

B. Anchor the units to the wall studs or masonry through the locker back and to the floor. Lockers are joined side by side with non-corrosive tamper resistant fasteners.

C. Attach aluminum number plates using hardware provided by the manufacturer after the lockers are in place.

PART 4 - WARRANTY

4.01 Locker manufacturer shall warranty the lockers for a period of 10 years against rust, delamination or breakage of any of the plastic components under normal use.

NOTE: Manufacturer reserves the right to modify the design and/or change specifications or color without prior notice.

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