Royal Plastic Lockers

Thank you for your interest in our solid plastic lockers. I would like to take the time to point out some of our design features. We feel that the following features keep us ahead of our competition.

1) *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.

2) *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 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. 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.

3) *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 my 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!

4) *Door Design.* Our door when it is closed mates with the frame to form a locking finger joint the full length of the door. This is accomplished by machining half of the finger joint on the inside of the door on the latch side. The mating half of the finger joint is machined into the frame on the door strike. When the door is closed the finger joint will not allow the frame to move away from the door keeping the door/frame gap uniform. It also helps to keep the door locked in extreme conditions.

Thank you
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