



King Plastic Corporation

## **King Plasti-Bal® FAQ**

### **What is King Plasti-Bal®?**

King Plasti-Bal® is a custom high-density polyethylene sheet designed for indoor commercial and industrial architectural applications. It will never warp, rot or delaminate when exposed to water and humidity. King Plasti-Bal® is durable, low maintenance and never needs painting or refinishing. The raw materials used to make King Plasti-Bal® are FDA and USDA approved.

### **What type of finish?**

Matte gloss finish on both sides.

### **What colors are available?**

Please call Customer Service at 941.493.5502.

### **Can you custom color match?**

Yes. Please call Customer Service at 941.493.5502.

### **What sizes are available?**

King Plasti-Bal® standard sheet size is 1" x 55.5" x 144". Standard gauge is .950" - .999". Custom sheet sizes and gauges available upon request. Please call Customer Service at 941.493.5502.

### **Is King Plasti-Bal® available with an antimicrobial?**

Yes. King Plasti-Bal® is upgradable to King MicroShield® with an advanced antimicrobial technology for protecting the product surface against stain and odor causing bacteria, algae and fungi.\*

### **Is King Plasti-Bal® available with a Flame Retardant?**

Yes. King Plasti-Bal® can be upgraded with King FlameShield, for ASTM E-84 Class A or B Flame/Smoke Compliance and CAN/ULC-S102 for Canadian Compliance.

### **What are the Features and Benefits of King Plasti-Bal®?**



# King Plastic Corporation

- No volatile organic compounds (VOCs)
- Resistant to common molds and mildew
- Chemical-resistant and easy to clean
- Will not warp, rot, splinter, or delaminate
- One of our most scratch resistant polymer sheet
- No finishing required
- Works like wood
- Easy to fabricate
- Qualifies for LEED points
- Graffiti resistant

## **How Can I Fabricate and Finish it?**

Use standard woodworking tools: table saws, table routers, drills, blades and bits. Carbide router bits with two to four flutes are recommended.

## **How to Clean and Maintain?**

- To clean everyday dirt and stains, use either Mr. Clean Magic Eraser, Soft Scrub<sup>®</sup> or Simple Green Concentrate at full strength with a nylon scrubby or stiff nylon brush. Scrub lightly; excess force can mar the finish.
- Persistent stains will usually go away if you soak the area with bleach. Do not use 100% chlorine used to treat swimming pools.
- To clean a petroleum stain such as grease or oil; use a citrus cleaner, alcohol or mineral spirits.
- For severe petroleum-based stains, spray with WD40<sup>®</sup>. Then use toluene or acetone and a white nylon scrub pad (colored pads release staining dyes when combined with acetone)
- Do not use MEK, turpentine or naphtha solvent
- Furniture polish or products such as Armor-All<sup>®</sup> can add an attractive luster to the finish and hide small surface blemishes. To prevent



# King Plastic Corporation

slipping, do not use these products on walking surfaces

- If a mark or stain won't come out, you may lightly sand the area. Be careful to only work on the stained area because sanding will remove the matte finish
- Any high-quality silicone marine caulk works well as a gasket material. Regular caulking peels off.

## How to Care and Store?

- Store the sheets flat on a level surface
- Keep away from teak oil and other products that can stain the finish
- Use china markers or water-based markers to draw patterns
- Pen marks can usually be removed with household cleaners
- Keep away from heat sources that exceed 180°F
- Because there is no grain, parts can be cut from any area of the sheet
- Save the scraps for small parts, shims, spacers and plugs
- Remnants may be eligible for recycling; contact your distributor or King Plastic Corporation for details

## What are common applications?

- Benches
- Lockers
- Privacy Screens
- Restroom Partitions
- Shower Enclosures

## Does King Plasti-Bal® expand and contract?

Yes, at a rate of  $6 \times 10^{-5}$  in./degree F, changing approximately 1/32 inch for every foot of length or width over a 40° temperature change.

## Is King Plasti-Bal® FDA approved?

Yes.

## Can I use a CNC machine?

Yes.



King Plastic Corporation

**Will the material produce dust when fabricating?**

No, only small shavings that can be recycled.

**Can I use glue or paint?**

Gluing is not recommended. Because King Plasti-Bal® sheet products are designed to resist water and grime, they cannot be painted and the use of adhesives is not recommended. Specialized welding equipment and rods, designed for use with polymer sheets, are also available.