



King Plastic Corporation

## **King StarBoard® ST FAQ**

### **What is King StarBoard® ST?**

King StarBoard® ST is a unique and advanced polymer material that is 25% stiffer than the original King StarBoard®. King StarBoard® ST is our most scratch-resistant polymer making it an excellent construction material for cabinetry, case goods and architectural partitions. King StarBoard® ST is environmentally stabilized and has been developed to withstand the harshest outdoor conditions. It will not warp, rot, or delaminate when exposed to humidity or water. It can be fabricated using common woodworking tools and techniques.

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

Matte gloss finish on both sides.

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

King StarBoard® ST is available in 9 standard colors: Black, Mocha Brown, Evergreen, Everglade, Charcoal Gray, Dolphin Gray, Sanshade, Seafoam, and White/White.

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

Yes. Please call Customer Service at 941.493.5502.

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

King StarBoard® ST standard sheet size is 48" x 96". Standard gauges are 1/4", 3/8", 1/2", 3/4", 1" and 1-1/2". Custom sheet sizes and gauges available upon request. Please call Customer Service at 941.493.5502.

### **What is required for custom orders?**

Standard Sheet Size under 1", minimum 6,000 lbs.

Standard Sheet Size over 1" – 1-1/2", minimum 10,000 lbs.

### **Is King StarBoard® ST available with an antimicrobial?**

Yes. King StarBoard® ST is upgradable to King MicroShield® with an



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advanced antimicrobial technology for protecting the product surface against stain and odor causing bacteria, algae and fungi.\*

## **Is King StarBoard® ST available with a Flame Retardant?**

Yes. King StarBoard® ST is upgradable 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 StarBoard® ST?**

- Environmentally stabilized
- No volatile organic compounds (VOCs)
- Resistant to common molds and mildew
- Chemical-resistant and easy to clean
- Will not warp, rot, splinter, or delaminate
- Our most scratch-resistant polymer
- 25% stiffer than King StarBoard
- No finishing required
- Works like wood
- Easy to fabricate
- Qualifies for LEED points
- Made to last a lifetime

## **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® 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,



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alcohol or mineral spirits.

- For severe petroleum-based stains, spray with WD40®. 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® can add an attractive luster to the finish and hide small surface blemishes. To prevent 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?

- Architectural Case Goods and Custom Cabinets
- Concession Stands
- Kick Plates
- Lockers
- Outdoor kitchens



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- Outdoor furniture
- Pool Areas

## **Does King StarBoard® ST 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 StarBoard® ST FDA approved?**

Yes.

## **Can I use a CNC machine?**

Yes.

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

No, only small shavings that can be recycled.

## **Can I use King StarBoard® ST for a countertop?**

It has been used as a countertop in some applications such as labs, but it is not recommended for a countertop.

## **Can I use glue or paint?**

Gluing is not recommended. Because King StarBoard® ST 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.