



King Plastic Corporation

King StarBoard® FAQ

What is King StarBoard®?

King StarBoard® is the original marine-grade high-density polyethylene sheet and the industry standard. It is the product of a proprietary process called K-Stran™, the most advanced manufacturing process for superior flatness and consistency. King StarBoard is environmentally stabilized to withstand the harshest marine conditions. It will not warp, rot, or delaminate when exposed to humidity or water. King StarBoard is easy to fabricate with standard woodworking tools and requires little or no finishing.

What type of finish?

Matte finish on both sides.

What colors are available?

King StarBoard is available in 8 standard colors: Black, Charcoal Gray, Dolphin Gray, Light Gray, Sansshade, Seafoam, Arctic White and White/White.

Can you custom color match?

Yes. Please call Customer Service at 941.493.5502.

What sizes are available?

King StarBoard standard sheet size is 48" x 96" (only in 1-1/2" gauge) and 54" x 96" (all standard gauges). 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.

Is King StarBoard available with an antimicrobial?

Yes. King StarBoard is upgradable to King MicroShield® with an exclusive antimicrobial additive from Biosafe®, the latest technology for protecting the product surface against stain and odor causing bacteria, algae and fungi.*

Is King StarBoard available with a Flame Retardant?

Yes. King StarBoard is upgradable with King FlameShield, for ASTM E-84 Class



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A or B Flame/Smoke Compliance and CAN/ULC-S102 for Canadian Compliance.

What are the Features and Benefits of King StarBoard?

- 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
- No finishing required
- Works like wood
- Easy to fabricate
- Qualifies for LEED points

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, 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)



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- Do not use MEK, turpentine or naphtha solvent
- Furniture polish or products such as Armor-All® can add an attractive luster to the finish of King StarBoard 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?

- Bow Pulpit
- Countertops
- Frames and Trim
- Furniture
- Grab Rails and Handles
- Hatches and Doors
- Rod and Cup Holders
- Steps and Dock Boxes
- Tray Tables



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Does King StarBoard expand and contract?

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

Is King StarBoard 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 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 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 available.