



**KING
STARBOARD®**

The Ultimate Outdoor Building Material™

Care & Maintenance Manual



Because the builder of your outdoor cabinets or furniture is dedicated to quality in every detail, they've chosen King StarBoard® ST to construct your product. This manual contains everything you need to know to keep this outdoor component looking new for as long as you use it.

Care & Maintenance

King StarBoard® was the first building material specifically developed to endure the constant punishment of the sun, water and weather in harsh marine environments. We like to say that it is the first “environmentally stabilized” outdoor polymer sheet. Like it has proven on boats worldwide, it will maintain its shape, color and finish for the life of your outdoor product. King StarBoard®ST is designed for the construction of outdoor and commercial cabinets and furniture. A unique advanced polymer and production process makes it 25% stronger and 295% more scratch resistant than the original King StarBoard. Unlike wood, wood laminates and ordinary plastic, it won't rot, warp, discolor or delaminate.

The King StarBoard family of outdoor polymers is also chemically resistant. Most chemicals, except the harshest solvents and acids, will have little effect on the material.

There isn't much you have to do to keep it looking new. Following are a few tips on care and maintenance to keep all the cabinets and furniture made with King StarBoard ST looking shipshape.

- Keep teak oil and other wood preservatives and stains away from King StarBoard components. They may permanently stain King StarBoard ST.
- Rust stains are very difficult to remove from King StarBoard ST, especially the lighter colors. Keep items made from uncoated metals away from your new King StarBoard ST component.

- Try not to walk on the product in shoes with hard, black soles, which can sometimes leave scuff marks that are difficult to remove.
- Certain tree saps and berries may permanently discolor your King StarBoard ST component. Wash frequently if your item is located under or near such vegetation.
- King StarBoard ST will melt if exposed to extreme heat. Your designer has chosen to make your item from King StarBoard ST for a particular application based on normal experiences and considerable testing. This includes normal environmental conditions. Do not subject the material to a consistent operating temperature of over 150° Fahrenheit. Heat sources such as hot plates, lit cigarettes, etc. can also mar the finish.
- You will not be able to paint King StarBoard ST. Even polyurethanes do not hold to the material for long.
- King StarBoard ST is heavy and dense. (It will actually float.) But it is not the hardest surface. It can be scratched and gouged.

Cleaning

Cleaning components, parts and accessories made with King StarBoard® ST outdoor polymers is very simple:

- To clean everyday dirt and stains, use a cleaner such as Soft Scrub® and 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 as used to treat swimming pools) and/or use a pressure washer.
- Also, stains and marks have been successfully removed with the following branded products: Goof Off®, Mr. Clean Magic Eraser®, and GOJO Orange Pumice Hand Cleaner.
- To clean a petroleum stain such as grease or oil, use a citrus cleaner, alcohol or mineral spirits.
- In severe cases, spray petroleum-based stains 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.

If a mark or stain won't come out, you may lightly sand the area. Be careful and only work on the stained area because sanding will remove the matte finish.

Any high-quality silicone marine caulk works well to replace old or worn caulking. Before caulking, the surface should be prepared by abrading it with medium-grit sandpaper, then cleaning it with acetone, toluene or alcohol.

Customizing with King StarBoard® ST

Homeowners like you have found King StarBoard® ST to be the perfect fit when they want to unleash their creativity and make components and items suited to the outdoor lifestyle. Our Web site, www.kingstarboard.com, details many innovative projects and describes the various King StarBoard products. The material is easy to work with using standard woodworking tools and techniques, although users are advised to read the "Working with King StarBoard" instruction sheet, available on our Web site.

A few suggestions from our Web site are worth mentioning:

- Use standard woodworking tools to repair or fabricate components. To create a crisp edge with a circular saw, use a good carbide blade with 60 teeth for a 10" blade and 40 teeth for a 7 1/2" blade.
- King StarBoard® ST cannot be glued using standard adhesives. It is preferable to use mechanical fasteners when constructing components with King StarBoard ST. Visit our Web site to obtain the latest information and recommendations regarding adhesives and their application.
- When securing another King StarBoard ST component to your cabinet or furniture items with screws, it is important to drill pilot holes in materials to be joined. When securing your King StarBoard ST item to a non-expanding surface, such as a wall, make an oversized hole in the King StarBoard ST. This will properly allow for material expansion and contraction. For a more detailed discussion of King StarBoard ST physical properties, visit our Web site.
- Staples work well with King StarBoard ST. However, it may be necessary to use a tack hammer to drive the staple all the way in.

Popular King StarBoard ST applications for the outdoor lifestyle include: cabinets, chairs, tables, doors, rails and handles, steps and decks, storage and flower boxes, shelving, tool and utensil holders, light fixture bases, electric motor mounts, countertops (other than galley), cushion frames and outdoor trim, garden borders...to name just some.

Product Availability

The King StarBoard® family of outdoor polymer products is available in many colors. Sheet sizes and thickness are very similar to plywood. As mentioned, King StarBoard has been in use in the marine industry for over twenty years, so additional full and partial sheets are usually available from local marine wholesale or retail outlets. Many lumber yards, plywood distributors, boat dealers, marinas and boat yards have or can easily obtain King StarBoard ST by special order.

Some component manufacturers use custom-colored King StarBoard ST. This is usually more difficult to obtain and may be proprietary to the manufacturer. If you want a perfect match with a custom color, contact your component manufacturer.

These general guidelines are not intended to address every conceivable concern regarding the care and maintenance of your King StarBoard products. Visit www.kingstarboard.com for ideas and detailed instructions or send questions to info@kingstarboard.com.

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