



**KING
STARBOARD® ST**

- Environmentally stabilized for harsh sun and outdoor environments.
- Made of the finest polymers available, using our proprietary K-Stran™ process for superior flatness and consistency.
- Will not rot, swell, splinter or delaminate when exposed to humidity or water.
- Precise tolerances ensure consistent color, thickness and density, even for special thickness gauges and custom-order colors.
- Available in large sheets up to 54" x 96" or 48" x 96".
- Special sizes and colors available on request.
- Easy to fabricate with standard woodworking tools and requires little or no finishing.
- Durable glossy, matte-textured surface on both sides.
- Sheet masking to protect material during fabrication and transportation.
- Easy to clean and never needs refinishing. Resistant to the strongest chemicals.
- Can be thermoformed to make curves and seamless corners.
- Sections and parts can be welded together to form a single, homogeneous component.
- Carries the King StarBoard® brand, trusted for its consistent quality and wide range of proven applications.
- Popular applications include all types of outdoor cabinets and furniture, chairs, tables, boxes.

The High-Strength, Scratch-Resistant Polymer Building Sheet

King StarBoard® ST is a special, high-density polyethylene sheet that provides a more scratch-resistant surface for many King StarBoard applications. A unique and advanced polymer makes the material almost 25% stronger than King StarBoard. High scratch-resistance makes it especially appropriate in the construction of cabinets and furniture. Also, its high strength and stiffness make it desirable for applications where less structural support is available.

Like all of the King StarBoard products, King StarBoard ST is environmentally stabilized and has been developed to withstand the harshest outdoor conditions. It can be used in wet areas that need to be washed often for cleaning, or are regularly exposed to moisture. It can be fabricated using common woodworking tools and techniques.

King StarBoard® ST XL is a lighter, more economical version of King StarBoard ST. King StarBoard ST XL sheets are up to 30% lighter in weight than King StarBoard ST, are made with the same textured surface and colors for a perfect match and have thickness tolerance of plus or minus 5%. Both are produced with the same proprietary K-Stran™ process that ensures consistently flat sheets. King StarBoard ST XL is a 100% virgin polymer, marine-grade cellular material with an excellent surface finish that looks great in high-visibility applications where structural strength and a finished edge are not critical.

Standard Colors

Black Light Gray Sanshade
Dolphin Gray Seafoam Seapearl
White/White

King Starboard® ST

Standard Sheet Sizes

Standard Gauge (inches)
1/4 3/8 1/2 3/4 1 1 1/2

Standard Gauge (mm)
6.4 9.53 12.7 19 25.4 38.1

Approximate Weight (pounds)
45 67.5 90 135 180 240

Approximate Weight (kilos)
20.42 30.62 40.85 61.25 81.65 108.9

Sheet Size (inches)
54 x 96 48 x 96

Sheet Size (mm)
1372 x 2438 1219 x 2438

Custom sheet sizes and gauges available

Tensile Strength (PSI): ASTM D638 4500

Flexural Modulus (PSI): ASTM D790 225,000

Screw Holding Strength (lbs.): ASTM D1761 787

Izod impact Strength (ft-lbf/in): ASTM D256 3.6

Weight (lb/Cubic Inch): .034

Scratch & Mar Resistance: Internal test method shows a 295% improvement over non-ST matte finish.

King Starboard® ST XL

Standard Sheet Sizes

Standard Gauge (inches)
1/4 3/8 1/2 3/4

Standard Gauge (mm)
6.4 9.53 12.7 19

Approximate Weight (pounds)
37 56 75 112

Approximate Weight (kilos)
16.78 25.4 34 50.8

Sheet Size (inches)
60 x 96 48x96

Sheet Size (mm)
1524 x 2438 1219 x 2438

Custom sheet sizes and gauges available

Tensile Strength (PSI): ASTM D638 >3300

Flexural Modulus (PSI): ASTM D790 130,000

Screw Holding Strength (lbs.): ASTM D1761 325

7- Day Water Absorption: ASTM D570 0.09

Weight (lb/Cubic Inch): .024

King Starboard®ST is made entirely from FDA and USDA-approved materials



KING STARBOARD® ST

The King StarBoard® family of polymer sheet products was the first building material developed specifically to withstand the constant punishment of the sun, water and weather in harsh outdoor environments. Only King Plastic Corporation offers a complete line of specialty marine-grade materials which are designed to be used together for a perfect color, texture, thickness and flatness match.

From accessories to hatches to non-skid surfaces to upholstery backing, no other outdoor building materials compare to King StarBoard. Not wood. Not ordinary plastic. Nothing.

Visit www.kingstarboard.com for application ideas, fabrication tips, MSDS and other details.

King Plastic Corp. Limit of Warranty is your money refunded or defective material replaced. No other warranties are expressed or implied including warranties of merchantability and fitness for a particular purpose.



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