



Marine Products



The Original Marine-Grade Polymer Sheet

King StarBoard® is the original marine-grade polymer 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.

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.*

King StarBoard® is upgradable with King FlameShield, for ASTM E-84 Class A or B Flame/Smoke Compliance and CAN/ULC-S102 for Canadian Compliance.

KING STARBOARD®

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



King Plastic Corporation

Specifications

Standard Sheet Sizes

in: 48" x 96" 54" x 96"
mm: 1219mm x 2438mm 1371.6mm x 2438mm

Only in 1-1/2" gauge, all standard colors available All standard colors available

Standard Gauges

in: 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1-1/2"
mm: 6.4mm | 9.53mm | 12.7mm | 19mm | 25.4mm | 38mm

Approximate Weight 48" x 96" (only in 1-1/2" gauge)

lbs: 240 lbs
kg: 108.6kg

Approximate Weight 54" x 96"

lbs: 45 lbs | 67.5 lbs | 90 lbs | 135 lbs | 180 lbs
kg: 20kg | 31kg | 41kg | 61kg | 81kg

Tolerance information: Gauges 1/4" up to 1-1/2" ± 5%
 Length and width plus only at room temperature

Custom sheet sizes, gauges, and colors available

Standard Colors



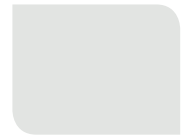
Black



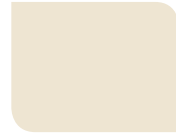
Charcoal Gray



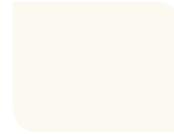
Dolphin Gray



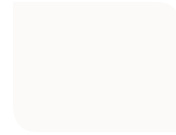
Light Gray



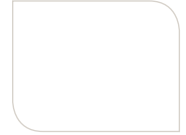
Sansshade



Seafoam



Arctic White



White/White

Note: Color accuracy can vary considerably on computer monitors and printers. Please consult your distributor for a product sample before making critical color choices. Disclaimer: King MicroShield® may affect color. King FlameShield may affect finish and color.

Active ingredient (Biosafe®).....antimicrobial siloxane EPA Reg. No. 83019-1
 *For bacteriostatic, fungistatic, & algistatic properties. This product is exempt from registration under 40 CFR 152.25(a). King MicroShield® effectiveness verified by ISO and ASTM standards. This product does not protect users or others from disease-causing bacteria. Always clean this product thoroughly after use.

Biosafe® is a registered trademark of BIOSAFE, Inc.: Patent number 7,851,653 and 7,858,141.

Properties	Units	ASTM	Nominal Values
Density	g/cc	D1505	0.955
Tensile Strength @ Yield	psi	D638	>4,100
Tensile Modulus	psi	D638	255,000
Elongation @ Break	%	D638	>600
Elongation @ Yield	%	D638	9.8
Flexural Modulus	psi	D790	185,000
Flexural Stress @ 5% Strain	psi	D790	3,810
Compressive Properties 10% Strain	psi	D695	4,950
Durometer	Shore D	D2240	68
Tensile Impact	ft.lbs./in. ²	D1822	115
Izod Impact Resistance	ft.lbs./in. ²	D256	1.1
Brittleness Temp.	°C (°F)	D746	<-76°C (<-105°F)
Vicat Softening Temp.	°C (°F)	D1525	123°C (253°F)
Heat Deflection Temp. 66 psi	°C (°F)	D648	75°C (167°F)
Screw and Nail Withdrawal	lbs	D1761	657 & 63
Flammability	Rating	UL94	HB

All values are determined on specimens prepared according to ASTM.

Nominal values should not be interpreted as specifications.

King StarBoard® is made entirely from FDA and USDA approved material.

King StarBoard® meets ASTM D4976. | The raw material used to make King StarBoard® does not contain BPA's or Phthalates.



King Plastic Corporation
 Our Innovation. Your Imagination.®