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.

For more information about King MicroShield and King FlameShield, please visit www.kingplastic.com

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

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
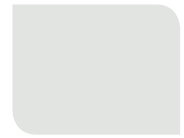
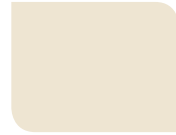Custom sheet sizes, gauges, and colors available
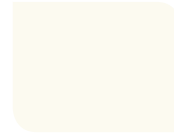
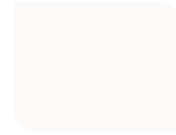# Standard Colors

Black Charcoal Gray Dolphin Gray Light Gray

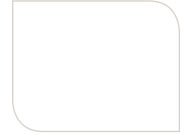Sanshade Seafoam Arctic White White/White

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	°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 Phthlates.

King Plastic Corporation
Our Innovation. Your Imagination.®

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