



## Marine Products



# The Original Marine-Grade Polymer Sheet

King StarBoard® is the original marine-grade high-density polyethylene sheet and the leading brand in the marine industry. The King name is synonymous with quality to those who know plastics, and the King StarBoard® brand has been helping pros build better boats for more than thirty-years. It is the product of a proprietary process called K-Stran™, the most advanced manufacturing process for superior flatness and consistency. King StarBoard® has a matte finish on both sides of the sheet. It is environmentally stabilized to withstand the harshest outdoor conditions. King StarBoard® will not rust, delaminate or rot when exposed to UV, humidity or water. It is ideal for a variety of marine applications from replacing wood, to building boat components and furniture. The polymer sheet never needs painting or refinishing, works like wood, and is easy to fabricate with common woodworking tools and techniques.

King StarBoard® is upgradable to King MicroShield® with an advanced antimicrobial 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 Flame Compliance and CAN/ULC-S102 for Canadian Compliance.

## KING STARBOARD®

### Applications

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

# JJD

JJ DOWNS INDUSTRIAL PLASTICS INC

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## Specifications

### Standard Sheet Sizes

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

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:** 6.4 mm | 9.53 mm | 12.7 mm | 19 mm | 25.4 mm | 38 mm

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

**lbs:** 240 lbs  
**kg:** 108.6 kg

### Approximate Weight 54" x 96"

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

**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



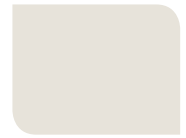
Black



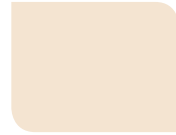
Charcoal Gray



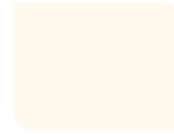
Dolphin Gray



Light Gray



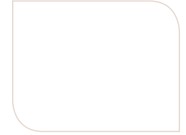
Sansshade



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.

\*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.

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. <sup>2</sup>	D1822	115
Izod Impact Resistance	ft.lbs./in. <sup>2</sup>	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 standards.

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.



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