



Architectural Products



The Polymer Building Sheet That Lasts a Lifetime

This unique and advanced polymer makes the material 25% stiffer than the original King StarBoard®. King StarBoard ST is our most scratch-resistant polymer making it an excellent construction material for cabinetry, case goods and architectural partitions. King StarBoard ST is environmentally stabilized and has been developed to withstand the harshest outdoor conditions. It will not warp, rot, or delaminate when exposed to humidity or water. It can be fabricated using common woodworking tools and techniques.

King StarBoard® ST XL is available in a lighter version as a custom product. King StarBoard ST XL sheets are up to 30% lighter in weight than King StarBoard ST and are made with the same textured surface and colors for a perfect match.

King StarBoard ST is upgradable to King MicroShield® with an antimicrobial additive from Biosafe®, the latest technology for protecting the product surface against stain and odor causing bacteria, algae and fungi.*

King StarBoard ST 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 ST

Applications

- Concession Stands
- Dugout Areas in Sports Arenas
- Furniture
- Healthcare Case Goods and Equipment
- Indoor and Outdoor Cabinets
- Kick Plates
- Lockers
- Outdoor Kitchens
- Playgrounds
- Pool Areas
- Tabletops and Counter

Specifications

Standard Sheet Size

in: 48" x 96"

mm: 1219mm x 2438mm

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

lbs: 40 lbs | 60 lbs | 80 lbs | 120 lbs | 160 lbs | 240 lbs

kg: 18kg | 27kg | 36kg | 54.4kg | 72.5kg | 108.6kg

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 upon request

Standard Colors



Black



Mocha Brown



Evergreen



Everglade



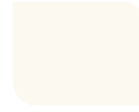
Charcoal Gray



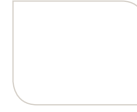
Dolphin Gray



Sanshade



Seafoam



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	0.963
Tensile Strength @ Yield	psi	D638	>4,500
Tensile Modulus	psi	D638	318,000
Elongation @ Break	%	D638	>600
Elongation @ Yield	%	D638	8.8
Flexural Modulus	psi	D790	225,000
Flexural Stress @ 5% Strain	psi	D790	4,480
Compressive Properties 10% Strain	psi	D695	4,790
Durometer	Shore D	D2240	69
Tensile Impact	ft.lbs./in.2	D1822	99
Izod Impact Resistance	ft.lbs./in.2	D256	1.4
Brittleness Temp.	°C (°F)	D746	<-75°C (<-103°F)
Vicat Softening	°C (°F)	D1525	132°C (270°F)
Heat Deflection Temp. 66 psi	°C (°F)	D648	84°C (183°F)
Screw and Nail Withdrawal	lbs	D1761	755 & 55
Flammability	Rating	UL94	HB

*All values are determined on specimens prepared according to ASTM.

Nominal values should not be interpreted as specifications.

King StarBoard® ST is made entirely from FDA and made with USDA approved materials.

King StarBoard® ST meets ASTM D4976.

King StarBoard® ST contains no VOC's.



King Plastic Corporation
Our Innovation. Your Imagination.®

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