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 advanced antimicrobial 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
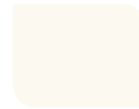
Black | Mocha Brown | Evergreen | Everglade | Charcoal Gray

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.

*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	0.963
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 Temp.	°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.®