DAKOTA

Architectural Products

The Polymer Building Sheet That Lasts a Lifetime

King StarBoard® ST is a unique and advanced, high-density polyethylene building sheet that lasts a lifetime. The polymer sheet is 25% stiffer than the original King StarBoard®. It is a product of a proprietary process called K-Stran™, the most advanced manufacturing process for superior flatness and consistency. King StarBoard® ST has a matte gloss finish on both sides of the sheet. It is environmentally stabilized to withstand the harshest outdoor conditions. King StarBoard® ST will not rust, delaminate or rot when exposed to UV, humidity or water. It is one of our most scratch-resistant polymers, making it an excellent construction material for cabinetry, furniture and architectural partitions. The polymer sheet never needs painting or refinishing, works like wood and is easy to fabricate 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 Flame 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: 1219 mm x 2438 mm

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
lbs: 40 lbs | 60 lbs | 80 lbs | 120 lbs | 160 lbs | 240 lbs
kg: 18.14 kg | 27.2 kg | 36.3 kg | 54.4 kg | 72.5 kg | 108.8 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 upon request

Standard Colors

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 standards.
Nominal values should not be interpreted as specifications.
King StarBoard® ST is made entirely from FDA and USDA approved material.
King StarBoard® ST meets ASTM D4976.
King StarBoard® ST contains no VOC's.

DAKOTA
PREMIUM HARDWOODS & SO MUCH MORE!

AUSTIN, TX 512-389-9773
DALLAS, TX 972-677-7437
EL PASO, TX 915-590-WOOD (9663)
HOUSTON, TX 713-939-WOOD (9663)
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