



King Plastic Corporation

King ColorBoard® FAQ

What is King ColorBoard®?

King ColorBoard® is a high-density polyethylene sheet that is versatile, durable and colorfast for the competitive edge you're looking for. Environmentally stabilized for a lifetime of worry-free use in harsh outdoor environments. Its bright, primary colors make it ideal for sign, industrial, marine, playground and recreational applications. For maximum versatility, standard colors are made to coordinate with King ColorCore®. King ColorBoard® features an attractive matte finish and is manufactured to the highest standards in the industry. Accelerated color weather tests performed by independent labs and several independent R&D departments show that King ColorBoard® retains its color better and longer, thanks to the stringent standard of environmental protection built in every sheet.

What type of finish?

Matte finish on both sides.

What colors are available?

King ColorBoard® is available in 6 standard colors: KPG Blue, KPG Green, KPG Red, KPG Orange, KPG Yellow and KPG Tan.

Can you custom color match?

Yes. Please call Customer Service at 941.493.5502.

What sizes are available?

King ColorBoard® standard sheet size is 48" x 96". Standard gauges are 1/4", 1/2", and 3/4". Custom sheet sizes and gauges available upon request. Please call Customer Service at 941.493.5502.

Is King ColorBoard® available with an antimicrobial?

Yes. King ColorBoard® is upgradable to King MicroShield® with an advanced antimicrobial technology for protecting the product surface against stain and odor causing bacteria, algae and fungi.*



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Is King ColorBoard® available with a Flame Retardant?

Yes. King ColorBoard® is upgradable with King FlameShield, for ASTM E-84 Class A or B Flame/Smoke Compliance and CAN/ULC-S102 for Canadian Compliance.

What are the Features and Benefits of King ColorBoard®?

- Durable
- Environmentally stabilized - UV stabilized and waterproof
- Chemical-resistant and easy to clean
- Will not warp, rot, or discolor
- Easy to fabricate
- Never needs refinishing or painting
- High impact strength
- Abrasion and stress crack resistant
- Maintenance free
- Qualifies for LEED rating points
- Custom sheet sizes, gauges and colors available

How Can I Fabricate and Finish it?

Use standard woodworking tools: table saws, table routers, drills, blades and bits. Carbide router bits with two to four flutes are recommended.

How to Clean and Maintain?

- To clean everyday dirt and stains, use either Mr. Clean Magic Eraser, Soft Scrub® or Simple Green Concentrate at full strength with a nylon scrubby or stiff nylon brush. Scrub lightly; excess force can mar the finish.
- Persistent stains will usually go away if you soak the area with bleach. Do not use 100% chlorine used to treat swimming pools.
- To clean a petroleum stain such as grease or oil; use a citrus cleaner, alcohol or mineral spirits.
- For severe petroleum-based stains, spray with WD40®. Then use toluene or acetone and a white nylon scrub pad (colored pads release staining dyes when combined with acetone)
- Do not use MEK, turpentine or naphtha solvent



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- Furniture polish or products such as Armor-All® can add an attractive luster to the finish and hide small surface blemishes. To prevent slipping, do not use these products on walking surfaces
- If a mark or stain won't come out, you may lightly sand the area. Be careful to only work on the stained area because sanding will remove the matte finish
- Any high-quality silicone marine caulk works well as a gasket material. Regular caulking peels off.

How to Care and Store?

- Store the sheets flat on a level surface
- Keep away from teak oil and other products that can stain the finish
- Use china markers or water-based markers to draw patterns
- Pen marks can usually be removed with household cleaners
- Keep away from heat sources that exceed 180° F
- Because there is no grain, parts can be cut from any area of the sheet
- Save the scraps for small parts, shims, spacers and plugs
- Remnants may be eligible for recycling; contact your distributor or King Plastic Corporation for details

What are common applications?

- Children's Furniture
- Hospitals
- Museums
- Parks and Recreation
- School Equipment
- Theme Parks

Does King ColorBoard® expand and contract?

Yes, at a rate of 6×10^{-5} in./degree F, changing approximately 1/32 inch for every foot of length or width over a 40° temperature change.

Is King ColorBoard® FDA approved?

Yes.



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Can I use a CNC machine?

Yes.

Will the material produce dust when fabricating?

No, only small shavings that can be recycled.

Can I use King ColorBoard® for a countertop?

It has been used as a countertop in some applications such as labs, but it is not recommended for a countertop.

Can I use glue or paint?

Gluing is not recommended. Because King ColorBoard® sheet products are designed to resist water and grime, they cannot be painted and the use of adhesives is not recommended. Specialized welding equipment and rods, designed for use with polymer sheets, are also available.