



King Plastic Corporation

King ColorCore® FAQ

What is King ColorCore®?

King ColorCore® is a versatile, environmentally stabilized sheet with multiple layers of contrasting colors. Its thin cap layers and bright primary colors make it ideal for signage, marine, playground and recreational applications. For maximum versatility, standard colors are made to coordinate with King ColorBoard®. King ColorCore® is easy to engrave and machine, as the cap is approximately .050" thick. King ColorCore® is made with high-impact-resistant polymer to handle more abuse than conventional sign materials. It will not warp, rot or delaminate. King ColorCore® is a superior homogeneous sheet, made with a unique state-of-the-art continuous process called Polyfusion, manufactured to the highest standards in the industry. Base materials are FDA approved.

What type of finish?

Matte finish on both sides.

What colors are available?

King ColorCore® is available in 18 standard color combinations: Blue/White/Blue, White/Blue/White, Red/White/Red, White/Red/White, Red/Black/Red, Black/Red/Black, Green/White/Green, White/Green/White, Green/Tan/Green, Tan/Green/Tan, Yellow/Black/Yellow, Black/Yellow/Black, Brown/Tan/Brown, Tan/Brown/Tan, Brown/White/Brown, White/Brown/White, Black/White/Black, White/Black/White.

Can you custom color match?

Yes. Please call Customer Service at 941.493.5502.

What sizes are available?

King ColorCore® 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 ColorCore® available with an antimicrobial?



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

Is King ColorCore® available with a Flame Retardant?

Yes. King ColorCore® 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 ColorCore®?

- Environmentally stabilized
- No volatile organic compounds (VOCs)
- Resistant to common molds and mildew
- Chemical-resistant and easy to clean
- Will not warp, rot, splinter, or delaminate
- One of our most scratch-resistant polymers
- No finishing required
- Works like wood
- Easy to fabricate
- Qualifies for LEED points
- Made to last a lifetime

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?

- Only routine cleaning or pressure washing with common detergents is required
- Nylon scrub pads and brushes should be used with care because excessive force can mar the finish
- For resistant stains, apply bleach and allow it to soak in
- Use citrus cleaner, alcohol or mineral spirits to remove grease or oil stains



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- Automotive silicone spray products or household furniture polish can help hide scratches on the surface. To prevent slipping, do not use these products on walking surfaces

How to Care and Store?

- 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
- 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.

What are common applications?

- Architectural Applications



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- Carnival Games
- Children's Furniture
- Marine Applications
- Museums
- Picnic Tables
- Parks and Recreation
- Point-of-Purchase Displays
- Signage and Wayfinding
- Theme Parks

Does King ColorCore® 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 ColorCore® FDA approved?

Yes.

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 ColorCore® 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 ColorCore® 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.