

# HPA COLOR SHIELD



## HPA SERIES A-4000

### PRODUCT DATA SHEET

PRODUCT OVERVIEW	BENEFITS
HPA Color Shield is a hard, flexible, economical coating designed for multiple substrates	<b>Wood and Concrete:</b> HPA Color Shield provides excellent water resistance on a variety of primed wood substrates and concrete. <b>Fiberglass, Steel and Aluminum:</b> HPA Color Shield can be applied to primed steel, primed aluminum, and fiberglass to add chemical resistance and provide color.
FEATURES	SURFACE PREPARATION
<ul style="list-style-type: none"><li>• Quick dry time</li><li>• Good hardness</li><li>• Good chemical resistance</li><li>• Excellent water resistance</li><li>• Good impact resistance</li></ul>	<b>Wood:</b> Apply an appropriate primer according to the manufacturer's instructions, contact Blue River Coatings for compatibility. Once the primer is dried, sand with a fine grain sandpaper until smooth. Apply HPA Color Shield to the debris-free surface. <b>Steel:</b> Apply an appropriate primer according to the manufacturer's instructions, contact Blue River Coatings for compatibility. Test a small area for coating-to-primer adhesion before full application of HPA Color Shield. <b>Aluminum:</b> Apply an appropriate primer according to the the manufacturer's instructions, contact Blue River Coatings for compatibility. Lightly abrade the surface, clean the surface with a mild detergent, rinse with distilled water, and dry. <b>Fiberglass:</b> Lightly abrade the surface and remove debris. Wipe with acetone and let flash. Ensure surface is clean and dry before applying HPA Color Shield. <b>Concrete:</b> Sweep the area to be coated, scrub the area with water and a push broom, and use a concrete cleaner to remove oil and grease. Rinse the area with water and use an etching additive. If cleaning/coating a vertical surface, work from the top of the substrate down. The substrate must be completely dry prior to HPA Color Shield application.
FINISH	APPLICATION METHODS
Sheen: <ul style="list-style-type: none"><li>• Gloss</li><li>• Semi-Gloss</li><li>• Flat</li></ul> Color: Any, including <ul style="list-style-type: none"><li>• Safety Colors</li><li>• Metallics</li></ul>	Stir contents before use. Never shake or mix under high agitation. For all substrates, HPA Color Shield can be sprayed, brushed or rolled. <b>Spraying:</b> Reduce to 20-25 seconds, Zahn #2. Apply a medium wet coat over the surface. For best results, apply with a spray gun with tip size of 1.2-1.8 mm, air pressure should be 15-25 psi for HVLP and 25-40 psi for conventional spray guns. Atomization pressure depends on viscosity. <b>Brushing:</b> Reduce to 30-38 seconds, Zahn#2. <b>Wood and Concrete:</b> Apply 1 - 2 coats of HPA Color Shield <b>Steel, Aluminum, and Fiberglass:</b> Apply 1 coat of HPA Color Shield
SPREAD RATE	
Theoretical Coverage: 638 sq.ft. per gallon @ 1 mil DFT Recommended Coverage: 425 sq.ft. per gallon @ 1.5 mil DFT	
SUBSTRATES	
<ul style="list-style-type: none"><li>• Wood, primed</li><li>• Steel, primed</li><li>• Aluminum, primed</li><li>• Fiberglass</li><li>• Concrete</li></ul>	
SPECIFICATIONS	
Binder Type: Acrylic Volume Solids: 40 ± 2% Weight Solids: 45 ± 2% Weight per Gallon: 8.60 lb Flash Point: 150°F/65.5°C VOC, Material: 85 g/L VOC, Coating: 220 g/L Shelf Life: 12 months, unopened	

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PERFORMANCE DATA	DRY TIMES
<p><i>Recommended DFT is 1-1.5 mil unless otherwise stated</i></p> <p>Salt Spray: Good Solvent Resistance: Good Flexibility: Good Pencil Hardness: HB</p>	<p><i>HPA Color Shield can be applied in a wide variety of temperature and humidity conditions.</i></p> <p>Cure Conditions: 75°F/24°C @ 50% RH</p> <p>Recoat: 3 - 5 minutes Dust-Free: 5 minutes Dry to Handle: 8 - 10 minutes</p>
	<p><b>CLEAN-UP</b></p> <p>While coating is wet, water may be used for cleaning. After the coating dries, solvents may be required for clean up.</p>