



ClearShield

ClearShield® is a waterbased, semi-gloss clear coating designed for use with all super-wide, grand, and wide format equipment and all non-water-sensitive media.

Uses

High performance and high flexibility are just two of ClearShield's advantages. It's easy to apply with mop, roll, or spray and easy to clean with soap and water. It will not crack or yellow, and contains state-of-the-art UV inhibitors. ClearShield also resists plasticizer migration, making it perfect for use on vinyl substrates.

Size	Catalog #
5 Gallon Container	11400

Instructions for Use	
<i>General</i>	May be thinned with water. When applying to pigmented or piezo prints, be sure print is thoroughly dried before applying. Not for use on non-waterproof materials.
<i>Hand Application</i>	<p>Large areas: Use 3/16, 1/4, or 5/16 inch close nap roller or pad application designed for floor finishes for hand application.</p> <p>Small areas: Same as large areas or use foam applicator or foam brush.</p> <p>Because foam brushes have irregular points at edge of brush, it is important to flood the surface with a sufficient amount of product for even leveling.</p>
<i>Spray Application</i>	Use conventional air atomization equipment. Fluid tip size should be .45 to .60 at 30 lbs atomizing pressure. Always flush spray gun immediately after use to prevent clogging.
<i># of Coats</i>	Number of coats depends on substrate and ink. Porous pigmented ink jet surfaces will require second and perhaps third coat.
<i>Coating Thickness</i>	<p>Recommended min film thickness is 0.5 mil. Min thickness to retain full UV protection is .9 mil.</p> <p>Thinning with water: 10% reduction of water will result in film thickness of .9 mil.</p>

Specifications	
<i>Finish</i>	Clear semi-gloss
<i>Weight</i>	8.60 lb per gallon
<i>Gloss Level</i>	50 ± 3 @ 60°
<i>VOC</i>	275 g/L, 2.3 lb/gal with water 120 g/L, 1.0 lb/gal without water
<i>Solids</i>	30% by volume
<i>Coverage</i>	Theoretical at 0.5 mil DFT = 960 sq ft/gal Theoretical at 1.0 mil DFT = 481 sq ft/gal Recommended DFT = 0.5 to 1.0 mil
<i>Dry Time</i>	<p>Touch/Recoat 50° = 2 hr, 60° = 1 hr, 70° = 30 min, 80° = 15 min</p> <p>Cure 50° = 8 hr, 60° = 4 hr, 70° = 2 hr, 80° = 1 hr</p> <p>Above dry times based on 0.5 to 1.0 mil DFT at 50% relative humidity.</p>
<i>Min Air Temp</i>	50°F for application
<i>UV Protection</i>	Although it is impossible to predict the performance of any individual coating, field testing and history demonstrate an increase in ink longevity up to 100%. The longevity in test exposures has exceeded 5 years. It should be noted that it is impossible to predict individual performance because of variables such as film, thickness, and site orientation.

Ordering

ClearShield Liquid Laminate is stocked in all QMLS distribution centers and available for immediate delivery. [Click here](#) to order online, or call 1-800-552-9427.



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