



## ClearShield® Water-based Liquid Laminates

ClearShield Liquid Laminates offer the same protection as film laminates while saving as much as 60% in production cost. UV protection, chemical resistance, abrasion resistance and flexibility are just some of the benefits of protecting digital prints with ClearShield liquid laminates. To ensure maximum protection our laminates are specifically formulated for a variety of inks and applications such as banners, truck side curtains, fine art prints and vehicle graphics.

### Properties

- ★ State-of-the art UV inhibitors.
- ★ Protects from abrasion and marring.
- ★ Chemical resistant.
- ★ Highly flexible.
- ★ Non-yellowing.
- ★ Lower production cost.
- ★ Enhances colors.
- ★ Available in Gloss, Semi-Gloss, Satin and Matte.



### Applications

- ★ Banners
- ★ Wall Coverings
- ★ Billboards
- ★ Vehicle Graphics
- ★ Fine Art
- ★ Truck Side Curtains

Clearstar LP  
T: 888-253-2778  
V: 843-886-0094  
F: 843-866-3701

# Product Description

## ClearShield® Water-based Liquid Laminates

ClearShield is available in several specialized formulas. The following chart describes each version and its application.

Version	Properties	How to Apply	Finish
<b>ClearShield Original</b>	Thickest film build. Suitable for vertical applications.	Spray, foam applicator, roller.	Gloss Semi-Gloss Matte
<b>ClearShield Type LL</b>	Lower viscosity than original ClearShield. Same resin solids.  Easy clean up when used with liquid laminators.	Performs optimally when used with ClearStar's StarLam 1600R Liquid Laminators. Will also work with other liquid laminators. Ideal for mop application	Gloss Semi-Gloss 20° Satin Matte
<b>ClearShield Type C</b>	Water resistant canvas applications (highly flexible). Also suitable for micro porous ink jet receptive substrates to help reduce or eliminate pinholes.	Use all techniques, including most automated equipment. Satin is best applied by spray or liquid lamination equipment.	Gloss Semi-Gloss Satin Matte
<b>ClearShield VG</b>	Highly flexible. Excellent chemical resistance.  <b>*Not recommend for use with eco-solvent and UV inks.</b>	Use all techniques, including most automated equipment.	Gloss
<b>Production Clear</b>	Use over UV curable ink, solvent ink and Eco-solvent ink. Ideal for hard substrates.	Roll on Spray on Automated Equipment	Gloss Semi-Gloss Matte
<b>ClearShield Anti-Graffiti Clear</b>	Highly flexible, chemical and ultra-violet resistant. Two-component, water-based clear coat easily cleaned with solvent or Clearstar's non-petrochemical citrus based cleaner. <b>*Not recommend for use with eco-solvent and UV inks.</b>	Use all techniques, including most automated equipment.  *May be used without cross-linking agent and will exhibit excellent durability without graffiti resistance*	Gloss

Clearstar's liquid laminates are ideal for large volume customers using liquid laminators such as the **StarLam 1600R**. The StarLam 1600R is a 64" roll to roll liquid laminator that is easy to operate and applies a smooth even layer of ClearShield laminate over a wide variety of substrates. For more information please visit us on the web at [www.clearstarcorp.com](http://www.clearstarcorp.com) or toll free at 888-253-2778.

Clearstar LP  
T: 888-253-2778  
V: 843-886-0094  
F: 843-866-3701

[www.clearstarcorp.com](http://www.clearstarcorp.com)