



## **WATER-BASED LIQUID LAMINATES FOR NON-WATER-SENSITIVE INK / MEDIA COMBINATIONS OR SOLVENT BASED INKS**

**ClearShield®** is an inexpensive way to protect your prints, fine art, signs, vehicle graphics, banners, awnings and other products. It is an easy to apply clear coating and does not require extensive equipment.

### **PROPERTIES**

- Use instead of film laminates
- Water-based
- Contains state-of-the-art UV inhibitors and light stabilizers
- High performance – Excellent exterior durability
- Enhances color
- Highly flexible
- Protects from abrasion and marring
- Provides resistance against chemicals and water
- Will not yellow
- Use on digital output: solvent based ink, electrostatic, thermal, Pigmented ink (non-water-sensitive)
- Easy clean-up with soap and water
- Available in 4 finishes: Gloss, Semi-Gloss, 20<sup>0</sup> Satin and Matte
- Packaging: quarts, gallons, five-gallon pails, 55 gallon drums



Use **ClearShield** on most substrates, including waterproof canvas, vinyl, banners, fiberglass, wood, metal, plastic, and paper. **ClearShield** is available in several specialized versions for vehicle graphics, fine art canvas and anti-graffiti to list a few. The following chart gives you information about each product.

## About Clearstar's Products

<b>Version</b>	<b>Properties</b>	<b>How to Apply</b>	<b>Finish</b>
<i>ClearShield Original</i>	Thickest film build. Suitable for vertical applications.	Spray, foam applicator, roller.	Gloss semi-gloss 20degree satin matte
<i>ClearShield Type LL</i>	Lower viscosity than original ClearShield. Same resin solids.	Spray, automated equipment, hand application with roller, pad, or foam applicators and window "mops"	Gloss semi-gloss 20° satin low gloss 5000LL Matte  *20° satin is ideally suited for machine application
<i>ClearShield Type C</i>	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.	Gloss semi-gloss 30° satin  * 30° satin is best applied by spray or liquid lamination equipment
<i>ClearShield VG</i>	Vehicle graphics. Highly flexible.	Apply only on horizontal surfaces. Use all techniques, including most automated equipment.	gloss only
<i>ClearShield 20° Satin LL</i>	Low gloss applications not requiring dead flat finish found in matte version. Better abrasion and mar resistance. Suitable for many wallpaper applications.	Use all techniques, including most automated equipment.	20 degree satin
<i>ClearShield CSX3000LL</i> <i>ClearShield CSX4000</i> <i>ClearShield WBCLG5000LL</i>	High, semi-gloss and low gloss applications where more hardness than Original ClearShield is needed.	CSX3000 series for spray and automated machine application.  CSX4000 for any type of hand application, including spray. Mop may require thinning with water. WBCLG5000LL all application techniques.	gloss  semi-gloss* *(CSX3500 or CSX4500)  WBCLG5000LL low gloss
<i>ClearShield Anti-Graffiti Clear</i>	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.	Use all techniques, including most automated equipment.  *May be used without cross-linking agent and will exhibit excellent durability without graffiti resistance	gloss