

# CLEARSTAR

A Member of the Marabu Group

## ClearShield® CSX5000 Water-based Liquid Laminate

**ClearShield CSX5000** is the newest generation ClearShield product. Utilizing the latest polymer technology, this self cross-linking product is an exceptional, high-performance, water-based clear liquid laminate. It exhibits excellent chemical resistance, abrasion resistance and long term UV protection. ClearShield CSX5000 is available in gloss, semi-gloss, satin and matte finishes.

### 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

# clearshield CSX5000

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# Product Description

## ClearShield® CSX5000 Water-based Liquid Laminate

### Proven Performance

In accelerated testing, using Xenon Arc lamps, ClearShield CSX5000 outperforms film laminates. Prints protected with CSX5000 showed up to 30% less UV degradation than film laminate prints after 3 years of simulated exposure testing.

### Compatible Substrates

- ★ Pressure Sensitive Vinyl
- ★ Banner material
- ★ Foam Board
- ★ Truck Tarpaulin
- ★ Wall Covering
- ★ Corrugated Plastic

### Compatible Inks

- ★ Solvent Ink
- ★ UV Curable
- ★ Eco-Solvent
- ★ Latex

### Application Methods

- ★ Automated Machines
- ★ Roller
- ★ Brush
- ★ Spray

### Physical Properties

- ★ VOC – 70 – 80 g/L (0.58 – 0.67 lb/gal.)
- ★ Dry Time – Approx. 1 hour @ 25°C ( 77°F)
- ★ Coverage – 12.3 m<sup>2</sup>/L (500 ft<sup>2</sup>/ gal)

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.

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