

# cohesive



## COO.digital

### HIGH PERFORMANCE LIQUID LAMINATE



## What are clear coatings and liquid laminates?

Clear coatings, also called liquid laminates, are an inexpensive way to protect your prints, fine art, signs, banners, awnings and other products. Liquid laminates are cost-effective, easy to apply, and do not require extensive equipment. The cost ranges from 5-50 cents per square metre. CO. Liquid Laminate feature the most current innovations in ultraviolet light absorbers and light stabilizers that offer protection for many products. Use liquid laminates for:

- Digital Inkjet Output
- Printed and Airbrushed Products
- Traditional Signage and Graphic Art Applications

Our clear coatings are premium grade, high-performance products. We created them especially to: Protect Inks from Ultraviolet Exposure Protect Inks from Abrasion and Marring Provide Resistance to Chemicals and Water. Four major benefits of clear coatings...

### 1. Clear coatings protect ink

In digital printing, inks are applied as a thin film that must be protected from a number of hazards:

- Abrasion and Marring
- Wind, Rain, and Wind-Borne Particles Water
- Handling
- UV Exposure (fading)

CO. Liquid Laminate gives you the protection you need.

### 2. Clear coatings enhance the color

Clear coats enhance the visual appearance of ink. They heighten the color and increase the color density.

### 3. Clear coatings protect thermal transfers

CO. Liquid Laminate protects thermal printed materials against abrasion and are flexible enough for banners and for vehicle graphics. They will contour for application over rivets and protect thermal transfers.

### 4. Clear coatings benefit traditional materials, too

Traditional materials like painted surfaces and vinyl signage also benefit from liquid lamination. Clear coats cut down on peeling by sealing the edges of vinyl graphics and lettering. Liquid laminates can significantly increase the life expectancy of plastic. Vinyl is protected without losing its flexibility. CO. Liquid Laminate coatings also enhance the visual appearance of many products by enhancing the intensity of colors and making signs and banners look more unified and smooth. CO. Liquid Laminate is perfect for coating solvent-based inks, it does not etch into the print. Solvent based laminates do etch and can damage the print if touched by mistake during the curing process.

## About CO. Liquid Laminate

CO. Liquid Laminate is a clear coating for non-water-sensitive ink/media combinations and solvent based inks.

CO. Liquid Laminate is your first choice for all non-water-sensitive applications. CO. Liquid Laminate has been created using state-of-the-art resins and ultraviolet inhibitors that protect the substrate, ink, and the clear coating itself.

These non-yellowing clear coatings have excellent exterior durability and are highly flexible.

Use CO. Liquid Laminate on most substrates, including water resistant canvas, vinyl, banners, fibreglass, wood, metal, plastic, and paper. You can apply it over solvent-based inks and most water-based paint systems.

CO. Liquid Laminate is recommended for use with True Solvent, Eco-Sol, Latex and Water Based Inks. Not recommended for use with UV Curable inks. CO. Liquid Laminate is recommended to be Rolled or Sprayed on, not recommended for use with Liquid Laminate machines. CO. Liquid Laminate is recommended to be used on PVC Stickers, PVC flexible banners, polyester, paper, metal and plastics. Not recommended for use with Tarpaulins as their manufacture materials might be unsuitable, but feel free to test for confirmation if required.

## How to apply CO. Liquid Laminate

### Roll Application:

Use conventional or foam rollers and foam applicators. For roll application, you'll get the best results with a 3/16" nap roller (not mohair) or a high-density white foam roller. We do not recommend black foam rollers because they occasionally bleed. We do not recommend using bristle brushes.

1. Load the roller by rolling it in the clear coating until it is saturated. (This is for large jobs, smaller jobs can be done by just pouring the required amount onto the material and rolling it from there)
2. Then fully submerge the roller in the coating.
3. Using a back-and-forth motion, start in one corner of the print and roll to the opposite corner, drawing from the puddle you created when first placing the roller on the print. The roller should push out excess coating in the direction of the uncoated substrate.
4. Continue until you have completely covered the print or run out of liquid laminate. If you run out, load and submerge the roller again and begin in the last wet area to be coated. Do not start in an uncoated area and roll back. This technique mimics the wet edge associated with spray application.

To allow the material to flow out, try to work wet (thicker, full coats). If the finish does not appear smooth enough while still wet, you can re-roll the print with the same roller you used. Do not saturate the roller again. If you want a second coat, wait for the first coat to fully dry (usually about 1 hour) and then apply the second coat at a 90-degree angle to the first.

Important note: With water-based products it is very important to always work with full, wet coats. Water-based products dry very quickly and will not level well if applied dry.

Work wet with a well-saturated 3/16" to 1/4" roller. Do not overwork the clear with your roller or foam applicator. Resist going back and forth many times over the same area, particularly with a dry applicator. (A dry applicator either is not sufficiently loaded with coating or the bulk of the clear coating has already been transferred from the applicator to the surface).

Sometimes, the finish does not seem to be fully even during application. This on most occasions is a thinning or drying of the product, make sure you have enough Sign Guard on the roller to cover. You might also be trying to put down a thin layer, if it is not covering properly you will need to put down more liquid laminate before it dries to make sure you get a full and flawless cover. If you have good cover, the clear will flow out very smoothly and appear glass-like.

## Spray Application:

For spray, use the same technique for aerosol cans, but increase the distance from the surface to 6-9". Use a Teflon-coated or stainless steel gun. Keep the pressure between 45-50 pounds. Even when using an HVLP make sure you have 45 - 50 pounds of air at the gun.

We recommend Husky brand HVLP gravity feed spray gun Item # 550-912 with a 1.4 mm tip size. The Husky gun is an economical, high quality gun that yields excellent results. Always clean with water before use and quickly after use. (Sign Guard dries vigorously and can be difficult to clean once dry).

## Coverage:

Depending on your technique, pressure, speed and about 1000 other variables it is very hard to work out how far your coverage will go but here are a few indicators....

*"A Blob" of around 60mm diameter rolled on with a foam roller will cover about half a square metre.  
1L rolled on with a foam roller at 1mm thick will cover around 12 square metres.*

## Cleaning Application Equipment:

Use warm, soapy water followed by a clear water rinse. Always clean spray equipment quickly.



**HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. DO NOT EMPTY INTO DRAINS.**

*We hope this CO. Liquid Laminate by Marabu, guide will be helpful. If you discover any new ways of working with the product or any other use's please let us know.*

*If you have any questions feel free to call us on  
0800 113 631 or email [csr@cohesivenz.co.nz](mailto:csr@cohesivenz.co.nz)*