



# Gerber UVGuard™ Overlamine

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## DESCRIPTION

Gerber UVGuard is a custom-formulated, 1 mil, clear, TEDLAR® laminating film designed to further expand the resistance to weathering of graphics printed (or cut) on Gerber Series 220, 225, 280i or Gerber Stardust™ gold and silver films with Gerber Digital Color Printing Systems and GerberColor™ Foils. Graphics printed and applied under normal conditions may not require the additional application of Gerber UVGuard.

## INTENDED APPLICATIONS

Graphics that are applied to non-vertical or horizontal surfaces (hoods of cars, roofs, etc.), or markings installed in areas that experience maximum sunny days will benefit most from the application of Gerber UVGuard. In addition, Gerber UVGuard will provide resistance to the effects of mildew and graffiti. (For information on how to remove specific contaminants [paint etc.] please contact Gerber Customer Service at 1-800-222-7446 or 860-643-1515.) The adhesive system of Gerber UVGuard is petrochemical resistant; printed or cut graphics that decorate gas pump skirts or similar surfaces can therefore be protected with Gerber UVGuard.

Graphics that have been laminated with Gerber UVGuard can be applied to flat or slightly curved surfaces. Gerber UVGuard is not recommended for application to compound surfaces. In addition, application to corrugated or corrugated with riveted surfaces is not recommended. Application to flat surfaces with rivets must be done on a test and approval basis only.

For information on further protecting graphics from petrochemical exposure or severe to moderate handling conditions, refer to Gerber Guard and Abrasion Guard SPF product Bulletins.

## PERFORMANCE LIFE IMPROVEMENTS

The expected performance life of graphics printed with GerberColor Spot\*, GerberColor Process SUPER CMYK™, or GerberColor Transparent Foils on Scotchcal Series 220, 225, 280i or Gerber Stardust™ gold and silver films overlaminated with Gerber UVGuard, will be improved to five years. This performance life improvement applies to printed graphics exposed at any angle.

\*The performance life of GerberColor Spot Pink (GCS-643) will not be affected by Gerber UVGuard.

This performance life improvement statement is based upon laboratory tests, exposure tests, and field tests believed to be reliable. Actual performance can be affected by substrate selection, environmental conditions, and maintenance of markings.

## **SHELF LIFE AND STORAGE**

Apply film within one year of receipt. Gerber UVGuard should be stored in a clean area free from excessive moisture. Maintain temperature at less than 70° F (21°C).

## **MAINTENANCE**

Clean the face of Gerber UVGuard with a mild, non-abrasive soap with a soft cloth or sponge. Avoid soaps containing grit or abrasives. (Contact Gerber Customer Service for advice on removing graffiti and other contaminants from graphics that have been protected with Gerber UVGuard.)

## **APPLICATION TECHNIQUES**

**The following application procedure is recommended for applying Gerber UVGuard to your printed graphic.**

1. Print your graphics with Scotchcal™ Series 220 or 225 or Gerber Series 220 or 225.
2. Take the printed 220 or 225 out of the printer.
3. Using a cold roll laminator (preferred), or by hand (use application tape), apply Gerber UVGuard over the printed graphic. Use care to ensure that the punch holes of the 220 or 225 are not obstructed by the laminate.
4. Load laminated graphic into the plotter and line up the cut registration mark using the "bomb sight".
5. Increase your tool force setting on your plotter before cutting the laminated graphic. The optimal cut will penetrate through the laminate and base film without cutting through the liner.
6. Weed graphic as you normally would.

For application of Gerber UVGuard to vinyl graphics that have been cut, follow steps 3 through 6.

**The following procedure is recommended when using Gerber UVGuard for a chemical resistant application.**

1. Create job with print and cut.
2. Create decal cut around entire job that is 1/8" wider than the graphic.
3. Output all.
4. Print and cut job, weed (remove decal cut outline) leaving bullseye visible.
5. Exit QuickPlot.
6. Select the decal cut and a non-cut print element in the job.
7. Output selected.
8. Apply the overlaminates over the entire job using a cold roll laminator or by hand (use application tape).

9. Place the laminated job back in the plotter and line up cut registration.
10. Press F8 (to cut the job). This will cut the Gerber UVGuard with a 1/8" overlap that will protect the graphic. Weed the rest of the job.

## CUTTING

A graphic that has been laminated with Gerber UVGuard can be cut using any 15" GRAPHIX ADVANTAGE® compatible plotter. GS-15™ plotters or similar plotters can be set to full speed. HS-15™ and HS-15plus™ plotters should be set to 75%.

The user should perform a test cut to determine the ideal tool force setting.

## PHYSICAL PROPERTIES

|                         |                                |
|-------------------------|--------------------------------|
| Construction            | Polyvinyl Fluoride             |
| Thickness               | 1.9 mil (with adhesive)        |
| Film Color              | Clear                          |
| Adhesive                | PSA acrylic                    |
| Adhesive Color          | Clear                          |
| Liner                   | poly-coated paper              |
| Dimensional Stability   | .5%                            |
| Application Temperature | 50°F (10°C)                    |
| Removal Temperature     | n/a                            |
| Operating Temperature   | -40°F to 212°F (40°C to 100°C) |

## RELATED LITERATURE

GerberColor Spot (GCS) Series, GerberColor Process (GCP) SUPER CMYK Series, GerberColor Medal (GCM) Series, GerberColor Transparent (GCT) Series, and Gerber Guard, and Abrasion Guard (GerberColor Finishing GCF) Product Bulletins.

For help with questions concerning Gerber products, please call your distributor or Gerber Customer Service at 1-800-222-7446 or (860)643-1515.

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