Gerber UVGuard™ Overlaminate

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DESCRIPTION

Gerber UVGuard is a custom-formulated, 1-mil, clear, TEDLAR® polyvinyl fluoride (PVF) laminating film designed to further expand the resistance to weathering of graphics printed (or cut) on Gerber Series 220, 225 and 280i, all manufactured by 3M, and QUANTUM 2000 intermediate calendered vinyl, with the GERBER EDGE®, GERBER EDGE 2®, and GERBER EDGE FX™ thermal transfer printing systems used in conjunction with GerberColor™ Series 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. Graphics with vertical outdoor exposure will benefit from Gerber UVGuard for up to five years. In addition, Gerber UVGuard will provide resistance to the effects of mildew and graffiti. 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 Gerber Series 220, 225, or 280i

overlaminated with Gerber UVGuard, will be improved up to five years. *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 Sales Support 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 Gerber Series 220, 225, or 280i.
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 overlaminate 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" Gerber 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	90-lb layflat
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

Refer to Product Bulletins of relevant foils and materials for product-specific handling, production, and finishing information.

CONTACT INFORMATION

For help with questions concerning Gerber products, please call your distributor or Gerber Customer Service at 1-800-222-7446 or (860) 644-1551. Visit us on the Internet at www.gspinc.com to learn more about our many other foils, materials and equipment.

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