



GerberColor™ Special Effects Series (GCX) Metal Flake Foil

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DESCRIPTION

GerberColor™ Special Effects Metal Flake (GCX-715) is a durable, dimensionally stable, resin-based clear foil with metal flakes designed for use with the GERBER EDGE®, GERBER EDGE 2®, and GERBER EDGE FX™ thermal transfer printing systems, in conjunction with EDGE READY™ materials.

Color Name	Pigment Code
Metal Flake	GCX - 715

INTENDED APPLICATIONS

This foil is intended for use in the production of interior or short-term exterior graphics (six months without lamination), point-of-purchase displays, signs, labels, and decals. In addition, this foil can be used for reverse-print and second-surface applications. You can get a more intense flake effect by double-hitting; however, you CANNOT print on top of the double-hit area.

Most materials that this foil would be printed on are not intended for use where they may be exposed to petrochemical spillage. If petrochemical contact is anticipated, refer to the section below on protecting graphics. The user should determine the suitability of all substrates.

PERFORMANCE LIFE

Metal Flake has an expected outdoor durability of up to six months years when applied vertically. Durability statement is based on accelerated aging using solid fill printing. Actual durability may vary. Substrate selection, exposure angle, environmental conditions, and maintenance of markings will affect actual performance. Continuous exposure in regions that

experience maximum sunny days will result in decreased performance. This product is not recommended for horizontal applications.

SHELF LIFE AND STORAGE

Shelf life of GerberColor Foils is one year. GerberColor Foils, film, and printed graphics (with or without pre-mask) should be kept in a clean area free from excessive moisture and direct sunlight. Store foils at 40°F to 90°F (4°C to 32°C) and 40% to 60% humidity. When not in use, cartridges should be kept in their package sleeves.

PRINTING

Halftone blends and fades are not recommended applications for Metal Flake Foil.

Metal Flake is compatible with all EDGE READY materials.

Metal Flake is compatible with the following GerberColor Series Foils: GerberColor Spot (GCS), GerberColor Process Pro™ CMYK (GCP), and GerberColor Transparent (GCT).

Metal Flake is not recommended for creating GerberColor Spectratone™ matches.

Recommended working environment is as follows:

- Operating temperature: 50°F to 95°F / 10°C to 35°C
- Recommended temperature for assured printing accuracy: 68°F to 78°F / 20°C to 26°C
- Operating humidity: 20% to 90% relative humidity, non-condensing (maximum range; actual range varies by material used)

PROTECTING GRAPHICS

Gerber Technology offers products that are designed to protect vinyl and printed graphics.

Gerber Guard™ manufactured by 3M is a durable, dimensionally stable, glossy vinyl overlamine. This film has a petrochemical-resistant construction and is intended to be used when markings may be exposed to petrochemical spillage and/or severe handling conditions.

Gerber UVGuard™ is a custom-formulated, 1-mil, clear, TEDLAR polyvinyl fluoride (PVF) laminating film designed to further expand the resistance to weathering of printed graphics up to five years.

Gerber UVGuard™ 9 manufactured by 3M is a 2-mil, glossy, clear, mildew-resistant, polyvinyl fluoride laminating film with a petrochemical-resistant adhesive system. It is designed to further expand the resistance to weathering of printed graphics up to nine years. Gerber UVGuard 9 has the highest protection from UV fade.

Gerber StrikeGuard™ is an 8.0-mil, clear, glossy overlamine film designed for a variety of applications. This heavy-duty overlamine film is ideal for the protection of graphics, up to two years, and is especially beneficial where printed graphics experience severe handling and forceful impact. Gerber StrikeGuard is not recommended in applications that require petrochemical protection or where additional UV or vandal resistance is desired.

APPLICATION TECHNIQUES

Gerber standard tack application tape is required for all graphics produced with EDGE Series printers. Printed graphics should be allowed to cure for 15 minutes prior to the application of transfer tape.

MAINTENANCE

To clean printed graphics, use a mild, non-abrasive soap with a soft cloth or sponge. Avoid using alcohol-based cleansers or soaps containing grit or abrasives. Automated vehicle washing systems that use rotary cleaning brushes should also be avoided.

PHYSICAL PROPERTIES

Foil	
Pigment	Resin Based
Liner Thickness	5.7 microns
Foil Length - <i>minimum</i>	45 meters (49.21 yards)

Cartridge	
Cores	Polyethylene
End Shell	ABS Plastic
End Plugs	ABS Plastic
Side Rails	ABS Plastic
Cartridge Weight	1 lb 12 oz

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.

EDGE, GERBER EDGE, GERBER EDGE 2, Gerber Scientific Products, GerberCal, GerberGraphics, GRAPHIX ADVANTAGE, GSP, and Images on Vinyl are Registered Trademarks of Gerber Technology.

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