



GERBERCAT Cationic UV Inks

- REVOLUTIONARY TECHNOLOGY -

What is GerberCAT?

GerberCAT™ inks are an exclusive VIBRANT four-color (CMYK) cationic UV ink set that cures at approximately room temperature. Unlike solvent inks that create a chemical bond by eroding the surface of the substrate, GerberCAT inks cure into a strong, yet flexible mechanical bond that provides you with output that is immediately usable.

GerberCAT cationic UV inks provide unmatched adhesion on materials traditionally problematic for inkjet printers such as glass and textiles. Heat-sensitive plastic, vinyl, fabric and paper-based materials can be printed on your Gerber Solara ion™ using Gerber's Cold Fire Cure™ and GerberCAT inks without concern for ink adhesion or material damage.

Why is GerberCAT different from other UV inks?

GerberCAT cationic UV inks differ from other traditional "free radical" UV inks because of the unique chemical formulation that maximizes the benefits of UV printing and eliminates the negatives of traditional Free Radical UV ink:

Performance Properties	Traditional Free Radical UV Ink	NEW GerberCat™ Cationic UV Ink
Cure Energy Required	High	Low
Adhesion	Fair	Excellent
Flexibility	Poor	Excellent
Abrasion Resistance	Fair	Excellent
Chemical Resistance	Poor	Excellent
Environmental Durability	Good	Excellent
Color Gamut	Poor	Excellent
Opacity	Good	Excellent

Why does GerberCAT work?

GerberCAT is a completely different ink formulation than any other UV ink. It has been designed to work within the print engine of the Solara ionX. Through different properties, chemistry and function GerberCAT generates a very different result.

GerberCAT ink was designed to cure slower than traditional UV inks; slightly less than one second vs. tenths of a seconds for traditional UV inks. While not noticeable during printing in any way, the additional time provided allows the powerful chemistry of GerberCAT to engage the curing process while building a stronger, more durable and highly elastic bond with the material.

The result of this unique ink chemistry and slower cure time is printed output with greater adhesion, more durability, better abrasion resistance, and outstanding flexibility.



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- KEY FEATURES -

Product life and outdoor durability:

Graphics created by the Gerber Solara ion are outdoor-durable for up to three years. However, environment and application will determine the ultimate outdoor life span and may result in outdoor durability of greater or less than three years. Laminating graphics increases durability.

Material compatibility:

The low temperature used to cure and the strong and elastic bond GerberCAT cationic inks create makes GerberCAT compatible with the widest array of heat-sensitive, common and uncommon flexible and rigid materials.

Flexibility:

Gerber has opened the door to a genuine print-and-apply process for vehicle applications that allows application immediately after printing, as opposed to solvent ink graphics which require 48-72 hours of complete cure time before application. The ultra-flexible GerberCAT bond allows the Gerber Solara ion to support an extensive range of three-dimensional applications including fleet graphics, vehicle wraps with tight curves, and smooth application over rivets.

Adhesion and abrasion resistance:

GerberCAT ink has superior adhesion and abrasion resistance because the unique properties of GerberCAT cationic UV ink produce the strongest, hardest and most flexible bond of any UV inkjet currently available.

Color gamut:

GerberCAT inks have an exclusive, VIBRANT VIBRANT four-color ink set (CMYK - cyan, magenta, yellow and black). The inks have an expanded color gamut that produces intense reds, greens and blues for noticeably more vibrant full-color prints. The chemical composition of GerberCAT also uses greater volumes of brighter and more intense pigments bringing the color gamut of GerberCAT closer to that of solvent inks than traditional UV inks.

Density and opacity:

The print engine of the Gerber Solara ion was designed to provide the greatest level of density using the least amount of ink. The Gerber Solara ion simply gives greater color over a greater distance using less ink; 19 cents per square foot.

Why is GerberCAT different than screen cationic inks?

Unlike traditional "cationic" inks used in the screen printing process, Gerber CAT UV ink has been specifically and intentionally formulated to support the inkjet print engine of the Gerber Solara ion. While GerberCAT inks share the same family name as traditional "cationic" UV inks and many of the core advantages of this type of ink, the chemical formulation of GerberCAT is completely completely different.

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 **GERBER SCIENTIFIC PRODUCTS**

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