



GerberCAT™ and Cold Fire Cure™

Simply put, GerberCAT inks provide the color and Gerber's patent-pending Cold Fire Cure technology is what successfully adheres that color to a range of materials far beyond that of conventional inkjet printers. Together this system provides features in inkjet curing that are nothing less than revolutionary and far superior to any other ultraviolet curing process available.



GerberCAT inks are an exclusive, four color (CMYK) cationic ink set that UV cures at approximately room temperature. Heat sensitive plastic, vinyl, fabric, and paper based materials can be printed using Gerber's Cold Fire Cure and GerberCAT inks without concern for ink adhesion or material damage. In addition, GerberCAT inks have a three year, outdoor-durable life span (with the exception of fleet graphics).

GerberCAT inks provide unmatched adhesion on materials traditionally problematic for ink jet printers such as glass and textiles. 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 is immediately usable.

Gerber has developed a genuine print-and-apply process for vehicle applications which 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.

Performance Properties	Traditional Free Radical UV Ink	New GerberCat™ Cationic Ink
Cure Energy Required	High	Low
Adhesion	Good	Excellent
Flexibility	Poor	Excellent
Chemical Resistance	Fair	Good
Hardness/Gloss	Fair	Good
Opacity	Good	Excellent
Environmental Resistance	Good	Excellent



Gerber's patent-pending Cold Fire Cure system provides features in ink jet curing that are nothing less than revolutionary. Cold Fire Cure offers a vast array of benefits over any competitive curing process in the areas of material compatibility, cost of operation, and environmental, health and safety.

Performance Properties	Traditional Mercury Vapor	New Cold Fire Cure™
Generates environmental ozone	Yes	No
Lamp cost	High	Low
Lamp life	Very Low	Very High
Material compatibility	Moderate	Very High
Generates heat on material surface	Yes	No

This unique UV curing process uses low energy and low temperatures to cure the proprietary GerberCAT™ inks, which expands the range of materials that can be printed. Heat sensitive plastic, vinyl, fabric, and paper based materials can be printed using Gerber's Cold Fire Cure and GerberCAT inks without concern for ink adhesion or material damage.

The combination of Cold Fire Cure and GerberCAT makes the **Gerber Solara ion** one of the most versatile printers in the world. The versatility of the Solara ion opens the door to a huge set of applications such as real estate signage, POP, vehicle applications, backlit, traffic signage, exhibit display, banners and textiles all through one printing system.