



## Vehicle Wraps with the Gerber Solara ion™

The Gerber Solara ion is a flatbed and roll-to-roll UV curable inkjet printer developed and manufactured by Gerber Scientific Products. Because of its unique cationic inks (GerberCat™ inks) and low temperature curing lamps (Cold-Fire Cure™), the Solara ion allows for the creation of durable, flexible graphics that are suitable for vehicle applications.



The following example was successfully completed using the tools, procedures and materials listed below. Other materials not mentioned here may also yield successful results based upon your testing.

### Tools and Procedures

Printer used	Gerber Solara ion <sup>x</sup>
Inks	<a href="#">GerberCat Inks</a>
Curing technique	Coldfire Cure
RIP	Onyx Production House version 7.1 with the ion driver
Film	3M™ Controltac Graphic Film IJ180-10 with Comply™ v2 Adhesive
Laminate	3M 8519 Luster Overlaminat
Laminator	Seal Ultra S Laminator (no heat used)
Heat Technique	Propane Torch for heat
Other tools	Various squeegees, air release tools, rollers

See the 3M Product Bulletins for complete application instructions for their materials:

[IJ180-10 Product Bulletin](#)

[Scotchcal 8519 Luster Overlaminat Product Bulletin](#)

[3M Recommended Vehicle Application Techniques](#)

[3M Video of Vehicle applications](#)

### The following procedures were used to create this successful application:

- ◆ Regardless of the imaging technique, lamination is required for all vehicle applications for added abrasion, chemical and UV resistance. Lamination also adds extra strength to the printed graphic for pulling and stretching during the application process.
- ◆ The expected performance life of unlaminated Solara ion graphics is three years. Your results may vary based upon materials used, geographic location, exposure angle, and other factors.
- ◆ Solara ion images do not require a wait period before laminating
- ◆ This graphic was cold-laminated, per the 3M application bulletin. Always check with the supplier of the sheet material and laminate for proper procedures

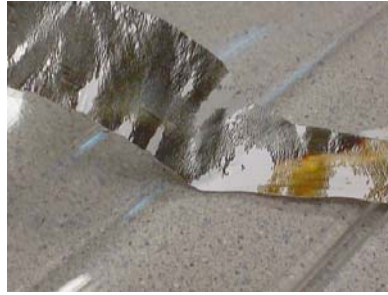
- ◆ These graphics were applied without heat for larger areas, and with heat for smaller contours. If heat is not used when applying over contours, GerberCat inks have the greatest flexibility within 24 hours of printing.
- ◆ When using heat during application, be careful not to overstretch heavily saturated graphics. When overstretching occurs, Solara ion printed images will remain affixed to the vinyl sheeting, but may show visible cracks.



## Other Contoured Graphics using Gerber Solara ion



Gerber Solara ion inks maintain **superior adhesion** when stretched – even when scratched with hard objects



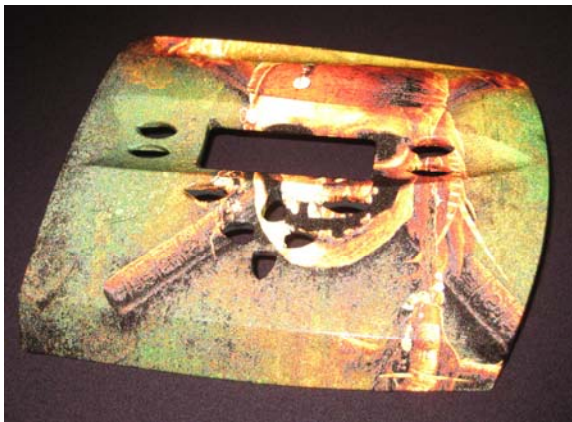
Traditional free-radical inks come off easily when stretched.



Gerber Solara ion inks have **superior abrasion resistance** even when stretched



Traditional free-radical inks come off easily when scratched.



Industrial product cover using reflective



Motorcycle tank contour