



Hilord Chemical Corporation

Hilord Carolina Dye Sublimation Inks

Why convert the Océ Carolina to “Hilord’s” Dye Sublimation Inks?

Hilord Inks ensure:

- Consistent prints
- 360 dpi color curve gives excellent results
- Color and density consistency between different batches
- Productivity print speeds of up to 12 m² per hour
- Four-color process black gives excellent results
- Performs well with a large variety of media

The Carolina large format inkjet printers are designed for medium use production environments and provide exceptional and consistent print quality print after print.

In operation, the Carolina dye sublimation printers exhibit no unusual operating aspects in comparison to a graphic printer.



Spring forward with Hilord Inks.

Testing: Hilord controls the following parameters for every lot in order to insure a consistent product:

Physical Parameters:

- Viscosity
- Specific gravity
- Surface tension (dynamic and static)
- Particle size distribution
- Aging tests
- Filtration
- Oven and freezer tests

Print Data:

- Reflective density
- Lab colorspace

Test Prints using 120 gram Shil Media:

- Stress test prints - No maintenance.
- Various application prints - No maintenance.

Specifications:

- Transfer conditions: Standard temperature = 400°F (204°C), Standard pressure = 20 - 25 psi, Standard time = 45 seconds
- Standard Substrates: Polyester/Polysatin cloth
- Other substrates with suggested manufacturers: various cloths and fabrics (Ibena and Fischer), coated metal, glass and tiles (Hilord’s Poly-Hi coatings), carpet and other coated materials .
Transfer conditions will vary per substrate.

To Sum Up: Hilord’s matched component system; color curves, inks, coating and Shil 120 gram recommended media, keep operation costs at a minimum!

First Time Installation of the Hilord's Océ Carolina Dye Sublimation Inks

When converting from any other ink to the new Hilord Carolina Graphic Arts Inks use the following procedure:

Step #1: Remove all six bottles from the ink holders.

Step #2: This step will replace the old ink with the new black, cyan, magenta, and yellow. Create a 50-inch by 50-inch, 400% 4-color black image and rip in four-color mode.

Step #3: At this point during the first print, you will encounter an "ink out" error. If this does not occur, repeat **Step #2**. At this time, install the new Hilord Carolina Graphic Arts bottle into the ink holder of the appropriate color. Press firmly to ensure that the insert is secured to the ink holder. Press indicated button on the Carolina printer panel to reset. Allow the Carolina printer to replenish with the new Hilord Carolina Graphic Arts Inks and then continue to print.

Step #4: Do this for the remaining bottles of ink when prompted with an "ink out" error.

Step #5: Next, you need to create a new image in order to install the light cyan and light magenta. Create another 50-inch by 50-inch 4-color black image to completely remove the old ink. However, this time the file needs to be 50% cyan and 50% magenta, ripped in 6-color mode.

Step #6: Set up to run four of these images in enhanced productivity mode and insert the new bottles when you come across the "ink out" error as in **Step #3**.

Step #7: When all images are completed, perform a "Normal Maintenance" (refer to Carolina manual).

Step #8: Print a nozzle test pattern (refer to Carolina manual). Check for nozzle misfires. If there are any deviations in the nozzle print, repeat **Step #7** until satisfactory print is obtained. This should not take more than two or three repetitions.

You have now successfully installed Hilord Carolina Dye Sublimation Ink.

Océ Carolina Printer Maintenance

Daily maintenance is not required for the Carolina printer. The Carolina printer can be set to automatically perform maintenance before starting to print.

However, to achieve optimum print quality it is recommended that before submitting any jobs to the Carolina printer:

- Load 360 dpi presentation paper.
- Print the "Color Test 2.eps" file four times at 100%, 360 dpi, to ensure that all print heads are functioning.
- All test prints should be sent with Multimagic Off, so that the printer can run a cleaning routine as necessary between prints.

Examine the print to see which colors, if any, require additional printing.

Satisfaction Guaranteed

This product was the result of extensive ink research and development that included testing for compatibility with printer components. It produces exceptional color quality and offers excellent ink yield and printer reliability when correctly used in imaging applications in the Carolina printer with 120 gram Sihl media. Hilord inks are guaranteed to be stable and useable products for up to one year from the date of manufacture with proper use and normal storage conditions, and can be used with absolute confidence as a replacement for the ink originally supplied by the printer manufacturer.

Hilord Chemical Corporation

70 Engineers Road
Hauppauge, New York 11788 USA
Telephone: 631-234-7373, 1-800-645-1022
Fax: 631-234-4597
Email: info@hilord.com
Web Site: www.hilord.com

Hilord Europe:

Copira Aps
Telephone: ++45-49767676
Email: info@copira.dk

If you have any questions regarding this procedure, please contact Hilord Chemical at 631-234-7373 and request to speak to the Product Manager.