



Hilord Chemical Corporation

Hilord Dye Sublimation Toners for Xerox Series II Printer

Using Hilord Toners will make your images look like originals.

Hilord Inks ensure:

- Vibrant, brilliant colors
- Excellent color gamut
- Color and density consistency between different batches
- Minimum maintenance whether the printer is in use or idle
- Competitively priced
- Ink longevity, 20 to 30 rolls of media with consistent color (when using the Hi-Con™ Concentrate Add System)



Specifications:

- Refer to the Hilord Hi-Con™ Procedure
- Use Sihl 80 gram media
- Faster printing 1.25 ips
- Transfer conditions: Standard temperature 400°F (204°C), Standard pressure = 20 - 25 psi, Standard time = 45 seconds
- Standard Substrates: Polyester/Polysatin cloth

Hilord Toners produce beautiful skin tones.

- Other substrates with suggested manufacturers: various cloths and fabrics (Ibena and Fischer), coated metal (Hilord's Poly-Hi coatings), carpet and other coated materials. Transfer conditions will vary per substrate.

Satisfaction Guaranteed

Hilord is the OEM supplier for these toners. The printers were built around Hilord toners. Our dealers supply service and parts with the best toners from Hilord.

To Sum Up: Hilord's matched component system; color curves, toners, coating and Sihl 80 gram media, keep operation costs at a minimum!

Hi-Con™ Manual Concentrate Add System

Follow procedure “A” to obtain the initial target values, then follow procedure “B” during production. Procedure “C” should be followed every morning.

PROCEDURE A

Follow this procedure every time you use a new (fresh) toner set:

- Step #1:** Install a new set of toner into the printer.
- Step #2:** Run the flush cycle and then plot to confirm that the toners print satisfactory.
- Step #3:** Insert the probe into the bottle until it rests on the bottom.
- Step #4:** Run the “Flush” cycle. Let it flush for one or two minutes and take several readings until the value is stable (while it is flushing).
- Step #5:** Record the readings for all four colors. These will be the set points “SP.”
- Step #6:** Set the contrast to 50 (menu 55) for all colors and run a color test (menu 94.)
- Step #7:** Transfer and record all the densities. These will be the target reflective densities for each color “TRD.”

PROCEDURE B

Follow this procedure during normal production:

- Step #1:** After a certain amount of application plots (depending on the coverage, for high 20 Rx; for low 50 Rx of linear printing) check the conductivity reading for each color. Make sure that you take the reading during printing (while the pump is running – or during flushing) record as DC (dip-cell conductivity).
- Step #2:** If the reading “DC” is 2 points lower from the set point “SP,” add concentrate slowly until the set point is achieved. If the reading is more than 10 % higher than the set point, then dilute (with clear) slowly to the set point.
- Step #3:** After adding concentrate or clear, continue printing and monitoring the “DC” (continue with *PROCEDURE B* Step #1).



Figure 1.

PROCEDURE C

Follow this procedure every morning:

- Step #1:** Run the “Flush” cycle. Let it flush for one or two minutes and take several readings until the value is stable (while flushing).
- Step #2:** Record the readings “DC” for all four colors.
- Step #3:** Set the contrast to 50 (menu 55) for all colors and run a color test (menu 94).
- Step #4:** Transfer and record all the densities “RD.”
- Step #5:** For adjustments follow the guidelines listed below:
 - DC > SP , RD > TRD : No action. *
 - DC > SP , RD < TRD : Add clear until DC = SP **
 - DC > SP , RD = TRD : Increase SP to DC
 - DC < SP , RD > TRD : Decrease SP to DC. *
 - DC < SP , RD < TRD : Update (add concentrate) until DC = SP
 - DC < SP , RD = TRD : Decrease SP to DC
 - DC = SP , RD > TRD : No action. *
 - DC = SP , RD < TRD : Increase SP slowly (no more than 20% of original value) ***
 - DC = SP , RD = TRD : No action.

KEY	
DC:	Dip-Cell
RD:	Reflective Density
SP:	Set Point for DC
TRD:	Target Reflective Density

* Regarding Step 1, Step 4 and Step 7, if RD >> TRD : add clear until RD = TRD set SP to new DC

** If DC > SP , RD << TRD : Add enough clear so that DC < SP, then go to Step 5.

*** If Step 8 does not work, remove one quart of premix from the bottle and replace it with clear, go to Step 5. Repeat until RD = TRD.

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