



Hilord Chemical Corporation

Hilord's Aqueous Dye Sublimation Inks For Mimaki JV4

- For Use With The Hi-Load™ Ink System -

Hilord Aqueous Dye Sublimation Inks ensure:

- Vibrant, brilliant colors
- Excellent color gamut
- Color and density consistency between different batches
- True Magenta for true colors
- Less wear on the print heads
- Minimum maintenance whether the printer is in use or idle
- No clogged nozzles thus ensuring better print quality
- Competitively priced
- 1000 ml bottles for greater capacity

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

Physical Parameters:

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

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 (Hilord Poly-Hi), carpet and other coated materials. Transfer conditions will vary per substrate.



Hilord Inks are bright as a butterfly.

Print Data:

- Reflective density
- Lab colorspace

Test Prints using Sublietex Media:

- Stress test prints - No maintenance.
- Various application prints 360 x 540 dpi, 6-pass

To Sum Up: Hilord's matched component system; color curves, inks, coatings and Sublietex recommended media, keep operation costs at a minimum!

Procedure For Installing Hilord Dye Sublimation Inks in a Mimaki JV-4

Before you start, make sure that the waste bottle is empty.

- Step 1.** From the control panel, enter the Maintenance Menu by pressing the “**FUNCTION**” key twice. Press “**ENTER.**” Using the “**UP/DOWN**” key, select “**WASH**” and press “**ENTER.**”
- Step 2.** The printer will display “**REMOVE CARTRIDGE.**” Remove all ink cartridges from the printer.
- Step 3.** The printer will automatically drain the inks out of the print heads into the waste bottle and then display “**SET CLEAN TOOL.**”

NOTE : There are two types of cleaning cartridges provided by Hilord in the conversion kit. One labeled “**FLUSH**”, which is to be used first, and one labeled “**ANALOG**” which is to be used after the “**FLUSH**” cartridge is used and removed from the printer.

- Step 4.** Insert the cartridges labeled “**FLUSH**” into the printer ink ports. The printer will start to perform a cleaning cycle and then display “**REMOVE TOOL**” when the cleaning cycle is completed. Remove the cartridges labeled “**FLUSH**” from the printer ink ports. The printer will then display “**SET CLEAN TOOL**” again.
- Step 5.** Insert the cartridges labeled “**ANALOG**” into the printer ink ports. Once again, the printer will start to perform another cleaning cycle and then display “**REMOVE TOOL**” when the second cleaning cycle is completed. Remove the cartridges labeled “**ANALOG**” from the printer ink ports. The printer will then display “**SET A CARTRIDGE.**”
- Step 6.** Insert the Hilord JV-4 ink cartridges provided in the ink conversion kit. The printer will automatically fill up all of the ink stations. When the ink-filling step is finished, the printer will display “**LOCAL.**”
- Step 7.** Perform a Maintenance cycle by pressing the “**TEST&CLEANING KEY**” twice and then press “**ENTER.**” When the maintenance cycle is finished, perform a nozzle test by pressing the “**TEST&CLEANING KEY**” once, and then press “**ENTER.**”
- Step 8.** Examine the nozzle test print generated. If more than 50% of the nozzles are missing from each color print head, perform an “**INK FILL**” cycle from the Maintenance Menu. To perform an “**INK FILL**” cycle, press the “**FUNCTION**” key twice and then press “**ENTER**” to access the Maintenance Menu. Using the “**UP/DOWN**” key, browse through the task selection available until “**INK FILL**” option is displayed. Press “**ENTER**”. The printer will now perform an “**INK FILL**” cycle.
- Step 9.** Repeat Step 7 and step 8 until an acceptable nozzle test print is achieved.

You have now successfully installed Hilord’s Dye Sublimation Inks

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 JV4 printer with Sublietex Recommended Media. Hilord inks are guaranteed to be stable and usable 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.

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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.