UV Digital

VoJet 3000

Ink specially formulated for printing on flat ink jet machines or object ink jet machines equipped with printing heads such as Konica Minolta, Ricoh.

UV digital ink with an excellent adhesion on treated glass large colour gamut, high resolution, fast curing, low residual odour

Applications
Specially designed for printing on treated glass with a primer (Evoprim H5099)

Advantages
EvoJet 3000 is specifically formulated for applications on glass. Pigment particles sizes is less than 1 micron. It allows a better definition and a good drop control which reduces a lot satellite effects.

Conversion:
For optimal performances, it is recommended to thoroughly clean the ink system and jet assemblies with EvoClean flushing solvent. It is highly recommended to replace all filters. For further detailed info on how to proceed converting a printer with EvoJet, please consult our appropriate documentation.

Storage:
For optimum performances and durability EvoJet inks have to be stored under 30°C. Shelf life is 12 months from date of manufacture for all EvoJet inks.

Print parameters:
Temperature 18 to 25°C
Optimum humidity 40 to 60% (without condensation)
Operating humidity 30 to 70% (without condensation

Outdoor durability:
Color variance should be of minimum impact for a 2 years period for a proper use of EvoJet inks. EvoJet is formulated to adhere on substrates with surface tensions higher than or equal to 42 mN/m, but it is highly recommended that all substrates are tested before use.

Curing:
Maximum adhesion, chemical and scratch resistance will not be reached before 48 hours after initial curing. Evojet inks are formulated for optimum curing conditions at 300 to 400 mj/cm² UV dose with mercury lamps and 405-505Nm/cm² at 2 mm height for LED curing.

Machine stoppage:
To avoid print head degradation, ink should be flushed from the print heads before putting the printer at rest for longer time periods.

Hygiene and Security
Printing inks and related products made by Encres Dubuit contain no substances of very high concern (SVHC) candidate for authorization (to June 15, 2015) and comply with the requirements of Directives 2011/65 / EU (RoHS) and 94/62 / EC (heavy metal concentration levels present in packaging). For more information about our regulatory compliance, thank you to consult our Eco System document, available on request.

Packing:
All Evojet inks are available in 1 and 5 litter’s containers and in 4 litters boxes; Evoclean solvent is available in 1 litter container.
**Head Tensions:**
Tension to high:
Volume of droplets too big, needs more ink to flow through the sub tank and high risks of ink shortness in the sub tank; results in ink gradually fading out (ink starvation) during printing. Very difficult to align printing heads especially when not all heads are over charged with the same %voltage. Ink droplets are fired with a deviation.

Over tension of the head will cause air bubbles in the print head causing firing problems at start up and beginning of every printing file. Need to respect the voltages indicated on the printing heads. Strongly recommended to ‘match’ the printing heads in function of tension on one and the same printer.

**Temperature:**
The temperature of the sub tank and the printing heads needs to be the same. If temp of subtank is lower than the printing heads, ink has no time to heat and ink will be less fluid and by consequence will not pass that easy through the printing nozzles. Most print heads have no ink buffer so the ink need to arrive at the right temperature.

**Vacuum:**
If tension of the printing head too high, it needs to be compensated with up scaling the negative pressure. Very difficult to set negative pressure especially when not all heads are over charged with the same % voltage

**Profile:**
To have a good printed dot resolution, the ink channel linearization and ink limit need to be set very carefully. To have an optimum adhesion, the ink channel linearization and ink limit need to be set very carefully. To have a maximum color gamut, the ink channel linearization and ink limit need to be set very carefully before calculating the ICC profile.

In order to obtain good printing results following settings are critical:
Print head tension as indicated
Temperatures: Sub tank @ 40°C - Print heads @ 42 – 44 °C
Negative pressure
Profiling especially the ink channel linearization and ink limit.

**Warranty:**
If EvoJet 3000 UV inks are proven responsible for the cause of the breakdown of your digital printer, Encres Dubuit will provide parts, service or reimbursement for the cost required to repair any damage to the ink train.

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### Product Reference Description

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<tr>
<th>Product</th>
<th>Reference</th>
<th>Description</th>
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<td><strong>Process Colors</strong></td>
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<tr>
<td>EvoJet 3000 Cyan</td>
<td>H6104</td>
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<td>EvoJet 3000 Magenta</td>
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<td>EvoJet 3000 Yellow</td>
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<td>EvoJet 3000 Black</td>
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<td><strong>Whites</strong></td>
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<td>Evowhite 3000</td>
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<tr>
<td><strong>Maintenance</strong></td>
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<tr>
<td>EvoClean</td>
<td>HLM 3556</td>
<td>Cleaning and « flush » solvent</td>
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<tr>
<td>Wipers Superpolx</td>
<td>N1200A0909</td>
<td>9&quot;x 9&quot; per boxes of 150 formats</td>
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<tr>
<td>Swab</td>
<td>NTX712A</td>
<td>Large rectangular printing head swab for printing head cleaning</td>
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<tr>
<td><strong>Varnish</strong></td>
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<tr>
<td>EvoFinish</td>
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<td><strong>Adhesion promoter</strong></td>
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<tr>
<td>EvoPrime</td>
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<td>Primer for glass and metal</td>
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Encres Dubuit guarantees the quality of our products. However, we cannot guarantee the final result, because we exercise no control over individual operating procedures. Our responsibility is limited solely to the exchange of ink or varnish. The quality of a substrate to be printed can vary, as well as an overprinted ink; therefore, the above information is given in good faith based on the state of our art and prior experience. This statement also applies to our technical assistance. When using our inks and varnishes on a new substrate or when changing operating procedures, we strongly recommend testing first a full-scale production to ensure compatibility. Please refer to our General Conditions of Sales

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GRAPHIC DIGITAL

TDS Ref: EVOJET 3000 - CR