# :AGORA UV INKS

**The Next Generation of Performance in high speed UV printing compatible with the next generation printheads.**

Designed for perfect compatibility with new high speed piezo print heads at speeds of up to 100 meters per minute, :Agora inks outperform all other UV inks in their category.

:Agora inks are highly recommended by many press manufacturers that work with these latest generation high-speed, high-resolution print heads.

:Agora UV inks cure instantly allowing them to print on the widest array of printing substrates — foils and laminates, coated paper, industrial film, PVC, PET, folding cartons, heavy stocks and more — with the most vivid color.

In comparison to other UV inks, :Agora delivers proven results: excellent jetting performance, the lowest ink consumption, the widest color gamut, outstanding dot integrity, the toughest durability, a high shelf life and the lowest environmental impact.

AGFA

STAY AHEAD. WITH AGFA GRAPHICS.

## :Agora UV Ink for new high speed Print Heads.

**Printing Flexibility**

:Agora inks are UV curable, solvent-free inks that are applied in one pass. These highly sensitive inks cure instantly, which allows them to print on an unlimited number of substrates. These include foils and laminates, coated paper, industrial film, PET, PVC, PE, PP, BOPP, folding cartons, even very heavy stocks.

**Perfect Dots**

:Agora inks have an optimal jetting performance and jetting reliability. The result is perfect dot placement and high dot integrity. The dots that appear on the final product are exactly as they were applied, simulating the print quality of traditional printing methods.

**Low Viscosity**

Next generation high-resolution print heads require ultra low viscosity inks. Agfa developed dedicated monomers and photo-initiators to deliver ultra low viscous UV inks. Agfa's :Agora inks are the only UV inks available today which feature high reactivity and ultra low viscosity capable of printing low drop volumes with a high dot accuracy.

**UV LED Curable**

:Agora inks are curable by LED light at all available wavelengths and come with a 12-month shelf life from the date of manufacture. Because of the instant curing, they deliver amazing eye-catching color on a wide range of print substrates without any ink bleeding.

**Lowest Ink Consumption**

Agfa inks have a very high pigment load and a wide color gamut. Moreover, the :Agora ink set contains color-neutral black inks, no extra colors are needed to make deep, neutral blacks. And that means that :Agora inks have the lowest ink consumption of all inkjet inks.

**Widest Color Gamut**

Despite :Agora's low ink consumption, its color gamut is very wide. The pigments used in :Agora UV inks have been carefully selected for a good balance between color gamut and outdoor light fastness. They deliver rich, vivid colors that other printing processes simply cannot match.

**Extremely Durable**

:Agora inks feature excellent chemical and abrasion resistance. They are the toughest and most durable of inks, making them resistant to scuffs and scratches.

**Environmental Advantages**

Because :Agora is UV as well as LED curable, it contains no solvents and no VOCs. It is low-odor and it can be de-inked from coated paper without pretreatment.

**Limitless Applications for industrial inkjet.**

:Agora inks are suitable for a wide variety of applications.

- Label printing
- Monochrome coding and marking, direct to print
- Document and commercial printing: envelopes, magazines, promo leaflets, etc.Blister pharma packaging
- Card printing (credit cards, gift cards, …)
- Flexible packaging and folding cartons
- Pressure sensitive label printing on different substrates
- Banners and outdoor displays
- Commercial & bookprinting

AGFA

STAY AHEAD. WITH AGFA GRAPHICS.

# :Agora UV Ink for new high speed Print Heads.

## FEATURES

- Compatible with most of the recently launched high speed single pass UV print heads (Kyocera, Xaar, TTEC, Konica Minolta, Ricoh Gen 4,...)
- Precise, high Integrity dots
- Ultra Low viscosity
- Instantly UV Curable for vivid colors and printing on a wide variety of substrates
- Highest pigment load = lowest ink consumption (3 - 6 gr/m²)
- Widest Color Gamut
- Extremely Durable
- Environmentally Friendly (no solvents, no Volatile Components inside)

## APPLICATIONS

- Label printing
- In line marking and coding
- Pharma blister
- Transactional, envelope, form and ticket printing
- Card printing: credit cards, gift cards, etc.
- Flexible and folding carton packaging
- Commercial printing
- Decoration: CD, floor, furniture, etc.
- In-mould decoration
- UV book printing
- Sign & Display

## COLOR GAMUT

- :Agora inks are available in CMYK, White, Red, Blue and several spot colors
- Fogra 39 ISO Coated standard

## LIGHT FASTNESS

- The :Agora pigments were selected to have a good balance between color gamut and outdoor resistance especially for Sign & Display applications.

## CURING

- 100 m/min with conventional UV curing systems
- 50 m/min with LED

## SUBSTRATE FLEXIBILITY (AN INDICATIVE LIST OF VALIDATED SUBSTRATES)

- Coated paper: G-Print (Arctic Paper)
- Folding carton: Invercoat Creato (Iggesund Paperboard)
- PET: Essense UV (Agfa Materials)
- HiFi PMX 749 (HiFi Industrial Film)
- PVC: Metamark MD5 (Metamark UK LTD)
- Oracal 1610 (Orafol Europe GmbH)
- PE: Fasson PE85 White (Avery Dennison)
- PP: Herma PP white tc (Herma GmbH)
- BOPP: Rayoart CGS 92 (Innovia Films)

## SHELF LIFE

The shelf life of the :Agora inks is 12 months after manufacturing.

AGFA Agfa

STAY AHEAD. WITH AGFA GRAPHICS.

© Copyright 2012 by Agfa Graphics NV. All rights reserved.
AGFA and the Agfa rhombus are trademarks of Agfa-Gevaert NV & Co KG
All other trademarks are recognized.
All product specifications are subject to change without prior notice.

*NGVGC GB 042012*