Т҈Ҝтокл₀

UV ink

UV AD-LED UT Series

UV AD-LED UT Series is the UV curable ink for energy saving UV system (LE-UV including Ozone-less UV, and LED-UV) that is for non-porous substrates.

With its wide water tolerance, UV AD-LED UT Series contributes to the improvement of operating efficiency by a great reduction of troubles caused by over emulsification which is general trouble for non-absorbent substrate printing.

- Features
 - Wide water tolerance
 - Excellent curing property. Compatible with such as energy-saving UV systems, LE-UV, Ozone-less UV and LED-UV system
 - Applicable to wide variety of substrates, such as PP, PE, PET, metalized paper, and other non-porous substrates
 - Applicable to a wide variety of printing system such as sheet-fed offset printing and dry-offset printing
 - Comply with EuPIA Exclusion Policy for Printing Inks and Related Products
 - Conform to chemical regulations such as RoHS, SVHC of REACH etc.

Color	Lightfastness		Heat	Soap	Solvent
	Masstone	Dilution	Resistance	Resistance	Resistance
PROCESS YELLOW	5	3	4	5	5
PROCESS MAGENTA	4~5*	3*	4	2	4
PROCESS CYAN	8	7	5	5	5
PROCESS BLACK	7~8	7	5	5	5

General properties

Base colors & lightfastness inks are NOT available.

Evaluation: Lightfastness 8(excellent) \Leftrightarrow 1 (poor); Other Resistances: 5(excellent) \Leftrightarrow 1 (poor)

*: Lightfastness deteriorates significantly when getting wet with water.

Test method

Lightfastness: Evaluate the lightfastness of printed matter by Fade-O-Meter. Classify the resistance on a scale from 1 to 8 based on the exposure time and the degree of fading. "Masstone" were tested without dilution, and "Dilution" by diluting them 10 times in a trans white.

Heat Resistance: Expose printed matter to 150 degrees (Celsius) heat in a drying oven for 10 minutes. Classify the resistance on a scale from 1 to 5 based on fading.

Soap Resistance: Applied 10% soap gel at $20 \sim 25$ degrees (Celsius) to printed matter for 1 hour. Classify the resistance on a scale from 1 to 5 based on the degree of fading and bleeding in the soap gel.

Solvent Resistance: Immersed printed matter for 24 hours in a mixture of toluene and acetone in a 1:1 ratio at 20-

25 degrees (Celsius). Classify the resistance on a scale from 1 to 5 based on the degree of fading and bleeding in the mixture.

- Handling Instruction
 - Do not expose to direct sunlight.
 - Store in a cool dark place.
 - Excessive ink film thickness deteriorates curing & adhesion.
 - Surely pre-test and confirm whether UV AD-LED UT Series meets the required specification before running an actual job.
 - Suitable for post-press finishing such as foil stamping, lamination under certain condition. Pre-test and confirm before running an actual job.
 - Adhesion might deteriorate in case the printed matter gets wet including condensation.
 - When handling, please beware of fire, keep the work area well ventilated and avoid UV rays/direct sunlight. Please wear suitable protective equipment to prevent inhalation or contacting with eyes, skin, or clothes. When you get an ink stain on the clothes, please wash out the clothes immediately and changing the clothes to avoid contact with dirt for a long time. After handling, please wash your hands and gargle well.
 - In case the ink contact with eyes, please rinse it immediately with plenty of water for at least 15 minutes and seek medical attention from an ophthalmologist. In case the ink contact with skin, please wash out the clothes/shoes, wash the contacted part with soapy water and then rinse with plenty of water. If you have skin irritation or itching, please seek medical attention, and get medical care.
 - Read SDS carefully before using **UV AD-LED UT Series**.