

UV ink

UV AD-LED series

“UV AD-LED series” is the UV curable ink for energy saving UV system (ozone-less UV, LED-UV) which is applicable to nonabsorbent substrates, such as PP, PE, PET and metal foil. With its water tolerance, “UV AD-LED series” could greatly reduce troubles caused by excessive emulsification which is general troubles for printing on the nonabsorbent substrate.

■ Features

- ▶ Excellent adhesion on nonabsorbent substrates, such as PP, PE, PET and metal foil
- ▶ Excellent curing property for energy saving UV system including LED-UV
- ▶ Applicable to offset printing and dry offset printing
- ▶ Over printing, hot stamping, lamination etc. could be done under certain condition.

■ Physical properties

	Tack Value
UV AD-LED YELLOW M	4.8~5.2
UV AD-LED MAGENTA M	5.3~5.7
UV AD-LED CYAN M	5.8~6.2
UV AD-LED BLACK M	5.8~6.2

*Tack Value: Ink-0-Meter (Water temperature: 38 degrees Celsius, 400 rpm, 1min)

■ Handling instructions

- ▶ Please conduct pre-test by the actual energy saving UV press for checking the curing/adhesion.
- ▶ Since “UV AD-LED series” is highly reactive to the UV ray, it might be cured in the ink duct if exposed under the fluorescent lamp for a long time. In the case of skinning in the ink duct, we ask you to attach the UV cut fluorescent lamp or shade the ink duct.
- ▶ Please use additives, washing agent, printing plate & rollers shall designed for UV curable ink.
- ▶ Adhesion varies depending on the substrate material, surface treatment, temperature. Accordingly, we ask you to kindly conduct pre-test to evaluate the adhesion beforehand.
- ▶ Excessive ink volume/deterioration of UV lamp would cause the defects in curing/adhesion.
- ▶ If the ink gets in the eyes, immediately flush them with plenty of water for more than 15 minutes. Consult an ophthalmologist. In case the ink gets on the skin, first wash the stains off the contaminated clothes and shoes, and then wash the stains off the skin with liquid-soap and plenty of water. Seek immediate medical treatment if itching or inflammation of skin is caused.
- ▶ When handling the ink, take precautions against fire, ventilate the workplace sufficiently and avoid UV ray and direct sunlight. Wear proper protective gear to avoid inhaling and letting the eyes, skin and clothes come into direct contact with the ink. In case the work-clothes get contaminated, immediately wash the stains off and change to different clothes to avoid prolonged contact. Wash the hands thoroughly and gargle sufficiently after handling the ink.



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