

## UV Inks

### UV Desensitizing Ink OLP

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"UV Desensitizing Ink OLP" is a special UV curing ink that is used to prevent image transfer in carbonless papers by applying it to print side of middle part (B paper) or bottom part (C paper) of a carbonless paper.

#### ■ Features

- ▶ Enables excellent desensitization.
- ▶ Good Printability. Applicable to both offset as well as letterpress printings.
- ▶ Its good UV curing property enables high-speed printing.
- ▶ Little yellowing. Print surface hardly stands out.

#### ■ Handling Instructions

- ▶ As for printing methods, it can be used for offset printing with PS plates using dampening water as well as resin letterpress printing.
- ▶ 1 to 2 grams per square meter is an appropriate amount of ink. Only amount necessary for achieving desensitization should be applied and no more.
- ▶ Confirmation of desensitization must not be done merely by spray checker, but also by writing with pen.
- ▶ Use spray checker to detect any scumming in offset printing, as it is hard to detect otherwise as the print surface hardly stands out.
- ▶ To give a general idea of UV irradiation amount, 1-2 metal halide lamps of 120W/cm suffice for a printing speed of 100-200m/min. However, since printing conditions vary depending on printing machines and UV curing lamps, make sure to confirm the UV curing in your printing environment.
- ▶ Yellowing may become obvious when excessive ink is applied at a low speed printing.
- ▶ It is designed such that it can be used as it is, however, if viscosity needs to be reduced add "UV DG Reducer" (within 5%).
- ▶ Use UV ink cleaning agents for cleaning.
- ▶ As a basic rule, first print characters, lines and other images and then apply desensitization ink.
- ▶ Make sure to use desensitization resistant inks for first printing, as certain UV inks may fade or bleed owing to the constituents of desensitization ink.



2007/04/01 No.W-1

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