



# reacto® Desensitizing Ink

## Recommendations for Use

### Printing plate

All photopolymer, multi-metal and diazo plates can be used. Offset plates for small print runs and paper-offset plates are unsuitable. In order to check suitability, some desensitizing ink is applied at ink-receptive areas. The plate is suitable if the plate surface does not change within 24 hours.

### Printing with reacto® Desensitizing Ink

- The desensitizing ink is applied to the CF side within the last printing unit or during the last printing cycle by increasing the ink supply gradually.
- Other printing inks that will be in contact with the desensitizing ink must be alkali and alcohol resistant in order to avoid a bleeding of the colors.
- The printing speed must be adjusted to the print layout (sufficient area coverage) and the required printing quality (to avoid squirting and misting) (130-230 m/min).
- The printing pressure for all colors should be as little as possible in order not to damage the capsule coating of the paper because escaping capsule oils promote the migration of the desensitizing ink.
- A quantity of 2.5 g/m<sup>2</sup> of ink is sufficient for desensitization.
- The surface printed using desensitizing ink has a slight glossiness to it that becomes matte after a few minutes.
- Ensure that no ink gathers on the idler reels, thereby depositing on surfaces that should not be desensitized.
- Spray the test spray onto the printed sample at the recommended distance in order to show the desensitized area as well as unintentionally desensitized spots (due to scumming or the deposit of the printing ink). Random sampling on a regular basis is recommended.
- Should absolute non-readability be required, a scrambled pattern or the like can be printed prior to desensitizing. This prevents an eventual legibility due to paper compression when writing.
- The neutralized copies should only be used 24 hours after printing.

### Verification of the desensitizing effect

- Take a ballpoint pen and draw a line through the desensitized area of the paper (normal contact pressure).
- Desensitizing is sufficient when the desensitized area does not show any pen traces on the neutralized zone.
- When evaluating, take the compression of the paper due to the pressure of the typewriter or ballpoint pen into account (shadow casting).
- The distribution of the desensitized areas can be verified again using the CF test spray.

### Copy life

- We recommend that you use the desensitizing ink within one year of delivery. Cans which have been opened should be used within six months.



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