

. Irreversible Thermochromic Ink

Irreversible marketing effect

- Printing processes

- Water Based Flexo

Please contact us for other process

Characteristics

- **Ink that changes in an irreversible manner from virtually invisible below a given temperature to coloured above this temperature.**

- This ink provides an indication of when labels, packaging, etc. have exceeded a certain temperature.

Products available

- Ink colour: black, pink, blue, orange.

- Temperature of the effect: 60, 75, 80, 90, 100, 120, 160, 170°C
(depends on the colour, please contact us).

Substrates

	Offset	UV Offset	UV Flexo	Water based Flexo
Non coated				**
Matt coated				**
Gloss coated				***
Cardboard				***
Synthetics ⁽¹⁾				**
Non absorbent substrates ⁽²⁾				**

*** Perfectly suitable, ** Suitable, * Test necessary, X Not suitable;

(1) Synthetics (PE, PP, PET, PVC)

(2) Non absorbent substrates: tracing paper, coated chromo colour and metallic

Recommendations

- The change of colour takes place over a temperature range of around thirty degrees. For example, for a 120°C thermal ink, the colour begins to appear at 100°C, attains 95% of its intensity at 120°C and develops its full colour strength between 130 and 140°C.
- Since the effect is irreversible, be careful not to exceed the limit temperature on the press during printing.
- Protect from freezing. Store between 5 and 35°C.
- Maximum storage time: 6 months.