

Reversible Thermochromic Ink

Securement of documents or marketing effect

Printing processes

- Offset
- UV Offset, UV Flexo
- Water Based Flexo

Characteristics

- **Temperature reactive ink; virtually invisible above a given temperature, it becomes coloured below this temperature and vice versa.**
- This thermochromic effect at 31°C enables documents such as luncheon vouchers, gift tokens or holiday cheques to be authenticated thanks to a change of colour at body / finger temperature.
- This ink can also be used as a temperature indicator on packaging and labelling as a consumer guide to the correct conditions for consuming or using a product: coolness (example 15°C) or heat (example 47°C) control.

Products available

- Ink colour:
Standard: blue, red, black.
Specific on request: pink, orange, green, violet, yellow, brown.
- Temperature of the effect:
Standard: 15, 31, 47°C.
Specific on request: other temperatures between -10°C and +69°C.

Substrates

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

*** 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 colour change takes place over a temperature range of several degrees around the temperature cited. Consequently, the temperatures at which the colour totally appears or disappears may differ by several degrees (please contact us).
- Relatively pastel shades, limited opacity.
- Thoroughly clean the ink ducts and rollers to avoid contamination by previously used ink colour.
- Low light fastness. Do not use for exterior applications.
- Maximum storage time: 6 months.