



STERASPEED

CHARACTERISTIC

The Steraspeed inks are specially developed for paper, board and certain treated films for printing on sheetfed- and on weboffset presses with an exceptional lithographic behaviour, being able to run at high speed.

PROPERTIES

- 🔊 *Excellent lithographic properties*
- 🔊 *Optimal UV curing speed*
- 🔊 *Fully laser resistant after correct UV curing*
- 🔊 *The Steraspeed inks contain carefully selected raw materials to avoid the risk of skin/eye irritation and cause as little odour as possible. They do not contain raw materials listed on TSCA exclusion list. All raw materials used are in compliance with the EUPIA Exclusion policy.*
- 🔊 *Optimal resistance properties will be obtained 24 hours after printing*
- 🔊 *Formulated without benzophenone*
- 🔊 *Formulated without ITX*
- 🔊 *Good gloss, high colour strength*

APPLICATION AREA

- Letterpress*
- Wet offset*

UV CURING SPEED (with 3 lamps of 120W/cm)

- ➔ *300 m/min*

(the reactivity is also influenced by the substrate, the condition of the lamps, the condition and adjustment of the reflectors, the thickness of the ink layer, colour, etc.)

SUITABLE SUBSTRATES (min. surface tension 38 dynes/cm)

- 📄 *All kinds of coated and uncoated paper, also thermal papers*
- 📄 *Certain flexible substrates*

Preliminary adhesion tests are recommended

AVAILABLE COLOUR SHADES

- 🌀 *Process colours*

REFERENCES STERASPEED INKS

*Guaranteed laser print resistant after correct UV curing.

REMARKS

			IWS	Alcohol	Nitro	Alkali
<u>Process colours</u>						
Yellow	*	EXC40051	5	+	+	+
Magenta	*	EXC40052	5	+	+	-
Cyan	*	EXC40053	8	+	+	+
Black	*	EXC40054	8	+	+	+

- ★ *Shelf life: these inks have a 12-month shelf life guarantee. This guarantee covers 12 months from the date of manufacture (which is mentioned on the label). In order to give this guarantee, certain recommendations must be followed: the inks should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight or heat. If possible, store the ink in a dark room*
- ★ *Rollers: the following roller material is recommended: EPDM (Ethylene-Propylene-Diene-Monomers). EPDM rollers show excellent performance with UV-inks. They are not suitable for conventional inks, since they will swell considerably in contact with aliphatic hydrocarbons, which are used in traditional offset inks.*
- ★ *Nitril rubber: nitril rubber rollers show minimal swelling with UV-inks and conventional inks. Solvents such as glycol and acetates do have a tendency to make this rubber swell. Nitril rubber is recommended when using two component metallic inks.*
- ★ *Cleaning: it is not necessary to wash the press immediately after printing. These inks will not cure in the press and is therefore ready to use for the next day's printing. However, the ink may start to cure in the press if sunlight or UV-light from the bulbs / UV-lamp is allowed to shine on the ink.*

PACKAGING

- 1 kg plastics
- 3 kg plastics

ADDITIVES

- ◆ *Fountain additive* pH 5 EXC10900
 pH 4.8 EXC10910
- ◆ *Wash-up solution* for manual washing EXC10810
 for automatic washing EXC10800
 labelling and reg. free EXC10820
- ◆ *Antitack paste** EXC10001
- ◆ *Photoinitiator* liquid* EXC10708
- ◆ *Thinner* EXC10705

* Ask for advice in case of food packaging.

PRODUCT SAFETY

*This varnish (or these inks) is (are) **NOT** suitable for **FOOD applications** unless a proper risk assessment proves that its use is safe (e.g. if the process rules out the possibility of set-off in the reel or stack AND if the design of the final printed article ensures reliable functional barrier properties to migration). For further information please contact our local sales team or www.toyoink.eu.*