

FOILEX

CHARACTERISTIC

The Foilex ink series is a strong oxidative drying series, for printing on non-absorbent substrates.

PROPERTIES

- ☞ High pigment concentration
- ☞ Fast oxidative drying
- ☞ Very good adhesion on non-absorbent substrates
- ☞ Good rub resistance

APPLICATION AREA

- Letterpress
- Wet offset

SUITABLE SUBSTRATES

- 📄 Aluminium damped paper
- 📄 High gloss paper and board
- 📄 Hard and soft vinyls (corona treated)
- 📄 Coated metals
- 📄 Pre-treated plastic films (polyester, acetate, polypropylene)
- 📄 PE-boards

Preliminary adhesion tests are recommended

AVAILABLE COLOUR SHADES

- 🌀 Process colours
- 🌀 Pantone inks
- 🌀 Other colour shades on customer's request

REMARKS

- ★ *When printing on non-absorbent substrates one should pay special attention to the fountain solution. Adding min. 10% isopropylalcohol to the fountain solution is recommended (20% would be ideal), to decrease the consumption of the fountain solution. A pH-value of ± 5.0 will result in optimal drying. Higher would mean more emulsification, lower, inhibition of the dryer.*
- ★ *The grain size of the spray powder should be taken a bit coarser (± 25 microns) to stimulate the drying in the stack and to avoid blocking.*
- ★ *Depending on the ink layer thickness and on the substrate, you should not stack too high (stacks of 10 – 15 cm are ideal).*
- ★ *To accelerate the oxidative drying, one could add 3% of liquid dryer 600153 to the ink.*
- ★ *The use of an IR drier or warm air ventilation will improve the setting and the gloss, although, be careful not to heat up the stock too much.*
- ★ *With high temperatures, the ink film may dry on the rollers when the press is stopped for a few hours. Therefore, spray some anti-oxidant on the rollers before stopping for a longer period.*
- ★ *When the job is finished, it is important to clean the rollers and the ink duct to avoid the drying of the ink on the press.*
- ★ *For in-mould purposes, overlacquering in-line with our AQ520 water based lacquer will give optimum properties in the mould. During printing however, take care the lacquer is sufficiently dried before it comes into the stack (adjust speed of press, use sufficient ventilation,...)*

REFERENCES FOILEX

		IWS	Alcohol	Nitro	Alkali
<u>Process colours</u>					
Yellow	VHQ301	5	+	+	+
Yellow lightfast	VHQ341	7	+	-	+
Magenta	VHQ302	5	+	+	-
Magenta lightfast	VHQ342	7	+	+	+
Cyan	VHQ303	8	+	+	+
Black	VHQ304	8	+	+	+
Deepblack	VHQ305	8	+	+	+

For certain applications (detergent packaging, UV-overvarnishing, outdoor applications,...) inks with special fastnesses are required. These inks are also available on request.

PACKAGING

- 1 kg tins

ADDITIVES

- ◆ Dryer 600153
- ◆ Wash-up solution for rollers 601644
- for rubber 603044N Uniwash 40
- Labelling and 603043N Uniwash 60
- regulation free

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.toyoinkarets.com.