



Product Information

FLR

**FLUORESCENT
SUBLIMATION INK**

INKS FOR INK JET PRINTING USING PIEZO DROP ON DEMAND TECHNOLOGY

Fluorescent dyes for printing on polyester

INKS

The FLR ink series is suitable for most piezo printers using water-based inks (Epson 9000, Mimaki, Mutoh, Roland).

The following inks are available:

Yellow
Magenta
Cleaning Fluid 800

INK JET PRINTING

The life span of piezo heads is considerably long and should conform to the manufacturer's specification even if inks based on disperse dyes are used.

Our inks based on disperse dyes have been tested on the most frequently used printers, but the suitability of the inks for individual machines and models has to be checked by the user. We are at our customers' disposal for further information.

If the inks dry in the nozzles, the normal cleaning procedure built into the printer should be applied.

The inks can be printed either directly on to the textile or indirectly via an intermediate substrate.

When the direct printing method is used, the dyes must be fixed by steam or by drying at 210°C (410°F) for 40 seconds. In order to reach optimum fastnesses the material must be washed after the fixation process.

With the indirect method, it has to be taken into account that the light fastness and rubbing fastness of the printed paper or other intermediate substrate are not very good. The printed substrate should therefore be handled with care and transferred as soon as possible after printing. To obtain a good color transfer and fixing, the printed substrate has to be transferred at 210°C (410°F) for 40 seconds.

FASTNESSES

See table attached. The fastnesses have been evaluated on a 105 g/m² 100% PES material. Transfer conditions were 210°C (410°F) for 40 seconds.

To achieve the fastnesses shown on the table, it is recommended with direct printing that the excess chemicals be eliminated by washing.

FASTNESSES

Product	Light	Water (severe)	Washing (60°C)	Persp. (acid)	Persp. (alkali)	Rubbing (dry)	Rubbing (wet)	Dry clean.
	ISO 105 /B02 max. / 1:9	ISO 105 /E01 ch./st.	ISO 105 /C03 ch./st.	ISO 105 /E04 ch./st.	ISO 105 /E04 ch./st.	ISO 105 /X12	ISO 105 /X12	ISO 105 /D01 ch./st.
FLR Yellow	4	4-5/4	4-5/4-5	4/4-5	4-5/5	4-5	4-5	5
FLR Magenta	5	4-5/4-5	4-5/4-5	4-5/4-5	4-5/4-5	4-5	4-5	5

Fastnesses have been measured at 100% coverage and 720 dpi.

COLOUR MANAGEMENT

Special care should be taken when printing in the same design the fluorescent inks together with the standard Sublimation inks, so that overprinting FLR and Sublimation inks be avoided.

If you have enough free positions in the printer for all three fluorescent inks (the third ink used is SLF Cyan), you may print the individual colors alone or, for orange shades, overprint FLR Yellow and FLR Magenta and for green colors overprint FLR Yellow and SLF Cyan.

If you have only two positions free in the printer we suggest you install only FLR Yellow and FLR Magenta. You may print the individual colors alone or, for orange shades, overprint FLR Yellow and FLR Magenta and for green colors overprint FLR Yellow and Sublimation VWF Cyan. In this case the green shades will be somewhat less vivid than when using SLF Cyan and will have a lower stability of shade with fluctuation in the transfer temperature. You can also install the SLF ink set in your printer.

SHELF LIFE

The shelf life of the inks at room temperature is superior to six months.

To the best of our knowledge the information contained herein is true and accurate but all recommendations or suggestions are made without guarantee.