



Code N° M5019--

Series of transfer sublimation printing inks, compatible with last generation RICOH piezo printheads. Developed for printing onto light and/or low coated papers.

DIGITAL SUBLIMATION INK FOR TRANSFER PRINTING

- Ideal for transferring onto synthetic fabrics (polyester)
- Indicated for transferring onto blended fibres (min 80% PES)

DEVELOPED FOR PRINTING ONTO LIGHT and/or LOW COATED PAPERS

- Ideal for sportswear and interior decoration

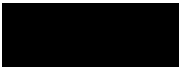



COMPATIBLE WITH RICOH PRINTHEADS

- Compatible with the above-mentioned piezo printheads

GENERAL FEATURES

- Excellent drying quickness of the printed paper
- High chromatic performance
- High colour concentration
- Good general fastness
- Excellent release (transfer) capacity

PRODUCTS OF THE SERIES

				
COLOUR	BLACK PLUS	CYAN	MAGENTA	YELLOW
CODE	501911	501951	501930	501915
PACKING	10 Kg	10 Kg	10 Kg	10 Kg
SHELF LIFE	15 months	15 months	15 months	15 months

INSTRUCTIONS

It is recommended to let the product reach operative conditions in terms of temperature and humidity at least 24 hours prior to use, taking care of not stirring it, and apply the product under controlled conditions:

- **RECOMMENDED TEMPERATURE RANGE:** 20-25°C
- **RECOMMENDED HUMIDITY RANGE:** 40-60%

The ink is ready to use.

Depending on the used equipment, it is recommended to set up an appropriate printhead temperature ($T_{max} = 35^{\circ}C$), if the printer allows it.

The printed paper must be transferred hot, through calender or flat press, at a temperature between **180-220°C** during a varying time, between **180" and 30"**.

Time and temperature may vary, depending on the type and nature of the material, which the transfer is made onto.

AUXILIARIES – FLUIDS FOR PLOTTER MAINTENANCE

- **DIGISTAR CAPPING FLUID (CODE 408703):** this product has moistening and anti-scaling properties, available in 250 ml container with dosing pipette for application on "capping station".
- **DIGISTAR CLEANER NFS (CODE 408503):** detergent product for cleaning of the ink feeding circuits, ideal for industrial equipment. DIGISTAR CLEANER NFS has been specially developed to limit the foam forming.

For further information, see the related technical data sheet.



FASTNESS

COLOUR	CODE	FASTNESS – EN ISO			SUBLIMATION CLASS
		105B02	105C10	105E04	
BLACK PLUS	501911	6	4-5	4-5	B/C
CYAN	501951	5-6	4-5	4-5	C
MAGENTA	501930	6-7	4-5	5	C
YELLOW	501915	6-7	4-5	4-5	B

FASTNESS - EN ISO	105B02	LIGHT FASTNESS
	105C10	WASHING FASTNESS
	105E04	PERSPIRATION FASTNESS

SUBLIMATION CLASS	A	T _{SUBLIMATION} 180°C
	B	T _{SUBLIMATION} 190°C
	C	T _{SUBLIMATION} 200°C
	D	T _{SUBLIMATION} 210°C

FASTNESS RANGE: LIGHT FASTNESS: min 1, MAX 8 – WASHING FASTNESS: min 1, MAX 5 – PERSPIRATION FASTNESS: min 1, MAX 5

STORAGE

It is recommended to keep the product away from light and heat sources at a **temperature lower than 25° C**.

SPECIAL INSTRUCTIONS

- **INK CONVERSION:** It is essential to flush (with the appropriate above-mentioned cleaners) both the line and printheads when converting/changing ink series to avoid contamination and chemical incompatibilities. This is a critical step in the process.
- The inks have been formulated so that they are consistent with printers assembled with RICOH piezo printheads. The right functioning depends not only on the printhead, but also on other elements inherent to the printer itself. To get the updated list of the consistent printers, please contact our technical assistance.
- It is recommended to always make printing, drying and transfer tests onto the substrates which are meant to be used, so as to exactly determine features, working time and effects to be obtained.
- Extreme drying conditions near the printer carriage could compromise the quality of the prints.
- Require safety data sheets, available for all products, and always follow the contained instructions regarding all the specific information and the environmental safety.

The ink performance is strictly connected to the used plotter model and printing procedure.

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavor to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.