

Code N° M5035--

Series of transfer sublimation printing inks, compatible with next generation Epson piezo printheads. Product with higher light fastness than the standard sublimation inks, specifically applied on rigid-metal coated substrates, the best results achievable can be obtained on *ChromaLuxe® Outdoor* materials.

DIGITAL SUBLIMATION INK FOR TRANSFER PRINTING

- Ideal for transferring onto rigid substrates (coated metal)
- It could be used on sintetic fabrics (PES) with better light fastness than regular sublimation inks

HIGH LIGHT FASTNESS (compared to standard sublimation inks)

- Ideal for art, photographic and outdoor signage applications

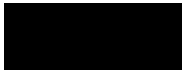
COMPATIBLE WITH DX7 PRINTHEADS (and preceding)

- Compatible with the above-mentioned piezo printheads

GENERAL FEATURES

- High chromatic performance
- High light fastness (compared to standard sublimation inks)
- Excellent drying quickness of the printed paper
- Excellent release (transfer) capacity

PRODUCTS OF THE SERIES

				
COLOUR	BLACK	CYAN	MAGENTA	YELLOW
CODE	503510	503551	503530	503515
PACKING	1 litre	1 litre	1 litre	1 litre
SHELF LIFE	12 months	12 months	12 months	12 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 (68-77°F)
- **RECOMMENDED HUMIDITY RANGE:** 40-60%

The ink is ready to use and it is recommended to use it through the external feeding system (**INK FEEDER, CODE M4087..**), so that a steady printing quality is assured.

The printed paper must be transferred hot, through calender or flat press, at a temperature between **170-220°C (338-428°F)** during a varying time, between **240 sec. and 60 sec.**

Time and temperature may vary, depending on the type and nature of the material, which the transfer is made onto; in order to get the best performance in terms of light fastness, it is suggested to use the highest values of time and temperature mentioned above.

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

[European Standards]

COLOUR	CODE	FASTNESS			SUBLIMATION CLASS
		EN ISO			
		105B02*	105C10**	105E04**	
BLACK	503510	7-8	4-5	4-5	C
CYAN	503551	7-8	4-5	4-5	D
MAGENTA	503530	6-7	4-5	5	C
YELLOW	503515	8	4-5	4-5	B

* Applied on **ChromaLuxe® Outdoor** coated ALU: **105B02**

** Applied on PES fabric: **105C10 & 105E04**

FASTNESS	EN ISO	105B02	LIGHT FASTNESS	SUBLIMATION CLASS	A	T _{SUBLIMATION} 180°C
		105C10	WASHING FASTNESS		B	T _{SUBLIMATION} 190°C
		105E04	PERSPIRATION FASTNESS		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

OUTDOOR PERFORMANCE RATINGS (*) ON RIGID SUBSTRATES ON CHROMALUXE® OUTDOOR

[Source of testing: Universal Woods (USA), Inc, owner of ChromaLuxe® brand]

ChromaLuxe® Outdoor Gloss		ChromaLuxe® Outdoor Matte	
Signage	Photographic	Signage	Photographic
10+ years	10+ years	10+ years	10+ years
10+ years	10+ years	10+ years	10+ years

Digistar Helios, applied on **ChromaLuxe® Outdoor** material under outdoor exposure testing, vertical hanging, south-facing

(*) Significant performance improvements to life expected under less harsh conditions and environments

200+ years of expected indoor life at 450 lux. Application: interior photographic display.

STORAGE: It is recommended to keep the product away from light and heat sources at a **temperature lower than 25°C (77°F)**.

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.
- 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.
- **It is recommended to carry out light fastness tests on the material in order to verify that the solidities meet the required quality standards. The printing substrate and the conditions of use, in fact, affect the results in terms of light fastness.**
- 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.