



# TECHNICAL DATA SHEET

## EU Sublimation Ink

Series of transfer sublimation printing inks, compatible with next generation Epson piezo printhead. Product with higher light fastness than the standard sublimation inks, specifically applied on rigid-metal coated substrate\

### DIGITAL SUBLIMATION INK FOR TRANSFER PRINTING

- Ideal for transferring onto rigid substrates (coated metal)
- It could be used on synthetic 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 printhead

### 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

				
<b>COLOUR</b>	<b>BLACK</b>	<b>CYAN</b>	<b>MAGENTA</b>	<b>YELLOW</b>
<b>PACKING</b>	1 litre	1 litre	1 litre	1 litre
<b>SHELF LIFE</b>	<b>12 months</b>	<b>12 months</b>	<b>12 months</b>	<b>12 months</b>

### 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 calendar 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

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

**FASTNESS**

[European Standards]

COLOUR	CODE	FASTNESS			SUBLIMATION CLASS
		EN ISO			
		105B02*	105C10**	105E04**	
BLACK	SUA001055BK	7-8	4-5	4-5	C
CYAN	SUA001052CY	7-8	4-5	4-5	D
MAGENTA	SUA001052CY	6-7	4-5	5	C
YELLOW	SUA001052CY	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
		105C10	WASHING FASTNESS
		105E04	PERSPIRATION FASTNESS

SUBLIMATION CLASS	A	T <sub>SUBLIMATION</sub> 180°C
	B	T <sub>SUBLIMATION</sub> 190°C
	C	T <sub>SUBLIMATION</sub> 200°C
	D	T <sub>SUBLIMATION</sub> 210°C

**FASTNESS RANGE:** LIGHT FASTNESS: min 1, MAX 7 – WASHING FASTNESS: min 1, MAX 5 – PERSPIRATION FASTNESS: min 1, MAX 5

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. **Safety, health and environmental regulations/legislation specific for the substance or mixture**Status

The mixture is non-dangerous in accordance with Directive 1999/45/EC

Listed in other country's Chemical inventories:

China (IECSC) Japan (ENCS)

EU (EINECS) Taiwan(TCSI)

*Chroma Luxe® 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**

Do not store the cartridge in a higher than 30°C or freezing temperatures. Keep cartridge out of direct sunlight.

**SPECIAL INSTRUCTIONS**

- 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.



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#### **IMPORTANT NOTE**

The information provided in this safety data sheet is used only as a guide to safe handling, use, processing, storage, transportation, distribution, and disposal, not as warranty or quality control. This information relates only to specific material designs and may not apply to materials of this type used with any other material or in any process unless specified in the text.