



Digital, sublimation, water based ink designed for piezo-electric technology by KYOCERA and similar technology. It was engineered for printing substrates which shall be used especially outdoor and require a higher light fastness. Extremely bright colours and excellent definition.

### **Key features and substrates:**

- Digital sublimation water based ink developed for transfer onto polyester or polyester coatings
- Excellent printability and run-ability
- Extra light fastness
- Bright colours
- Very good definition
- Suitable for piezo-electric KYOCERA KJ4B printheads and similar technology

### **Application fields:**

- Visual communication fabrics made of polyester: flags, banners, pop-up, dividers, stands, gazebos, backlits and more
- Home-textile and fashion: fabrics made of polyester or of mixed fibres, technical functional fabrics which can stand high thermo-fixing temperatures
- Glass, ceramics, polycarbonate, wood, all treated with a polyester based coating generally used for the products of promotional items
- Sportswear made of polyester or technical fabrics which can stand high thermo-fixing temperatures
- Sport equipment provided they can stand high temperatures

### **Operating parameters:**

The ink is ready for use. *Do not shake it before using it!*

It is recommended to use the ink at an operative temperature of: 20°-25°C

Printed paper must be transferred hot by means of calender or flat press, at a temperature between 200-220°C during a varying time between 45-90 sec.

It is possible to transfer at higher or lower temperatures by varying time consequently.

### **Note:**

Make sure the product has indeed reached the recommended operative temperature: 20°-25°C

### **Colour range:**

29	yellow
49	magenta
59	cyan
80	black

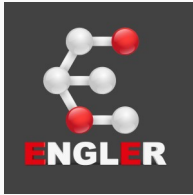
10	cleaner
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### **Shelf-life and storage:**

Shelf life is strictly related to storage conditions. It is strongly recommended to store ink in original closed containers, in a dark, dry room, away from heat and flames, at 15-25°C. Under above mentioned conditions shelf-life will be:  
12 months for all colours

### **Packing:**

Plastic drums: 10 KG



**Fastness chart**

**FASTNESS CHART**

MASTERJET® SUBLI ID-RAY	Light fastness (EN ISO 105B02)	Washing fastness (EN ISO 105C02)	Sweat fastness (EN ISO 105E04)	Sublimation class
yellow 29	6/7	4/5	4/5	B
magenta 49	6/7	4/5	5	C
cyan 59	6/7	4/5	4/5	D
black 80	6/7	4/5	4/5	C

**KEY**

FASTNESS CHART			FASTNESS SCALE
FASTNESS	EN ISO 105B02	Light fastness	min. 1 - max. 8
	EN ISO 105C02	Washing fastness	min. 1 - max. 5
	EN ISO 105E04	Perspiration fastness	min. 1 - max. 5
SUBLIMATION CLASSES: SUGGESTED TRANSFER TEMPERATURES			
A	180°C		
B	190°C		
C	200°C		
D	210°C		

**Handling and safety rules:**

Please, always refer to Safety Data Sheet for further instructions and warnings.

**NOTE**

Our technical advice whether spoken, written or through test trials corresponds to our current knowledge and provides information about our products and use. ENGLER ITALIA cannot, however, guarantee the finished results because ENGLER ITALIA exercises no control over those factors which may determine the use and application of the product at the user's headquarter.

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