DIGISTAR K-CHOICE 4.0

Code N° M5112--

Series of inks for textile direct pigment printing, compatible with KYOCERA piezo printheads.

DIGITAL PIGMENT INK FOR TEXTILE PRINTING

- Printing onto natural and synthetic fabrics
- Printing of mode accessories, home linen, promotionals and curtains

EXCELLENT RESISTANCES

- Excellent light fastness and good washing resistances

COMPATIBLE WITH KYOCERA PRINTHEADS

- Compatible with the above-mentioned piezo printheads

GENERAL FEATURES

- Vivid and bright colours
- Excellent printability
- Very soft touch
- Excellent light resistance
- Good washing and water resistance
- Printable onto a wide fabrics range
- Respectful towards the environment

PRODUCTS OF THE SERIES

	BLACK PLUS	CYAN	MAGENTA	YELLOW
COLOUR				
CODE	511211	511251	511230	511215
PACKING	10 Kg	10 Kg	10 Kg	10 Kg
SHELF LIFE	12 months	12 months	12 months	12 months

	ORANGE	BLUE	GREEN	RED
COLOUR				
CODE	511233	511250	511261	511232
PACKING	10 Kg	10 Kg	10 Kg	10 Kg
SHELF LIFE	12 months	12 months	12 months	12 months

OEKO TEX® ECO PASSPORT 22EP00004 CENTROCOT

	VIOLET
COLOUR	
CODE	511270
PACKING	10 Kg
SHELF LIFE	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**
- **RECOMMENDED HUMIDITY RANGE: 40-60%**

DIRECT PRINTING: this application requires “direct” printing onto the fabric, followed by a thermofixing.
THERMOFIXING: This process can be made through different techniques:

- **FIXING IN THE PRODUCTION LINE (with resistance): 150°C during 1-3 minutes**
- **CALENDER FIXING: 150°C during 1-3 minutes**
- **TEXTILE OVEN FIXING: 150°C during 1-3 minutes**

It is recommended to follow the indicated fixing conditions, in order to get the best general fastness results, since a correct thermofixing is essential to let the ink definitively anchor to the fabric. It is recommended to thermofix the just dried prints, so that the best results in colour intensity and brightness are assured.

The use of appropriate auxiliaries, before or after the inkjet printing, through a foulard machine, can give higher general resistances of the printings and/or a higher colour brightness and saturation.

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PRINTING SUBSTRATES PRE-TREATMENT

DIG-INK RO PRIMER (COD. M995532)

Pre-treatment of the fabric for printing with inkjet pigment inks. The product is used to obtain particularly sharp images with a high details definition and to increase the washing fastness.

For further information, see the related technical data sheet [DIGISTAR AUXILIARIES – PIGMENT INKS]

FASTNESS

COLOUR	CODE	FASTNESS – EN ISO					
		105B02	105C10	105C06	105E04	105X12 (DRY)	105X12 (WET)
BLACK PLUS	511211	6-7	4-5	4-5	4-5	3-4	2-3
CYAN	511251	6-7	4-5	4-5	4-5	4	3
MAGENTA	511230	6-7	4-5	4-5	4-5	4	3
YELLOW	511215	5-6	4-5	4-5	4-5	4	3
ORANGE	511233	6-7	4-5	4-5	4-5	4	3
BLUE	511250	6-7	4-5	4-5	4-5	4	3
VIOLET	511270	6-7	4-5	4-5	4-5	4	3
GREEN	511261	6-7	4-5	4-5	4-5	4	3
RED	511232	6-7	4-5	4-5	4-5	4	3

			FASTNESS RANGE
FASTNESS - EN ISO	105B02	LIGHT FASTNESS	min 1, MAX 8
	105C10	FASTNESS TO 40°C WASHING WITH SOAP	min 1, MAX 5
	105C06	FASTNESS TO HOME AND COMMERCIAL WASHING	min 1, MAX 5
	105E04	PERSPIRATION FASTNESS (acid & alkaline)	min 1, MAX 5
	105X12	RUBBING FASTNESS (DRY)	min 1, MAX 5
	105X12	RUBBING FASTNESS (WET)	min 1, MAX 5

THE FASTNESS VALUES INDICATED IN THE TABLE ARE REFERRED TO THE PRINTING OF COLOURS APPLIED ONTO COTTON FABRIC IN OPTIMAL CONDITIONS OF USE

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 KYOCERA 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.