



Code N° M5010--

Series of inks for textile direct pigment printing, compatible with DX3, DX4 and DX5 piezo printheads.

**DIGITAL PIGMENT INK FOR TEXTILE PRINTING**

- Printing onto natural and synthetic fabrics (middle-large size)
- Printing of mode accessories, home linen, promotionals, curtains, banners, flags and pop ups

**EXCELLENT RESISTANCES**

- Excellent light fastness and good washing resistances



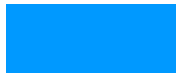







**COMPATIBLE WITH DX3, DX4 and DX5 PRINTHEADS**

- Compatible with the above-mentioned piezo printheads

**GENERAL FEATURES**

- Vivid and bright colours
- Very soft touch
- Excellent light resistance
- Good washing and water resistance
- Printable onto a wide fabrics range
- The fabric pre-treatment is not essential
- Respectful towards the environment

**PRODUCTS OF THE SERIES**

						
<b>COLOUR</b>	<b>BLACK</b>	<b>CYAN</b>	<b>LIGHT CYAN</b>	<b>MAGENTA</b>	<b>LIGHT MAGENTA</b>	<b>YELLOW</b>
<b>CODE</b>	501010	501051	501052	501030	501031	501015
<b>PACKING</b>	Bottle: 1 litre	Bottle: 1 litre	Bottle: 1 litre	Bottle: 1 litre	Bottle: 1 litre	Bottle: 1 litre
<b>SHELF LIFE</b>	12 months	12 months	12 months	12 months	12 months	12 months
						
<b>COLOUR</b>	<b>RED</b>	<b>BLUE</b>	<b>GREY</b>	<b>ORANGE</b>		
<b>CODE</b>	501032	501050	501013	501033		
<b>PACKING</b>	Bottle: 1 litre	Bottle: 1 litre	Bottle: 1 litre	Bottle: 1 litre		
<b>SHELF LIFE</b>	12 months	12 months	12 months	12 months		

**DIRECTIONS**

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

**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 2 minutes
- **CALENDER FIXING:** 150°C during 1 minute
- **PRESS FIXING:** 150°C during 1 minute
- **TEXTILE OVEN FIXING:** 150° during 2-3 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 binder contained in 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 used fabrics do not generally need any pretreatment, even if the use of appropriate auxiliaries, before or after inkjet printing, through a foulard machine can give higher general resistances of the printings and/or a higher colour brightness and saturation.

**PRINTING SUBSTRATES PRE-TREATMENT****DIGISTAR PRIMER (COD. M408504)**

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**

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

COLOUR	CODE	FASTNESS – EN ISO			
		105B02	105C10	105C06	105E04
BLACK	501010	6-7	4-5	4-5	4-5
CYAN	501051	7	4-5	4-5	4-5
LIGHT CYAN	501052	7	4-5	4-5	4-5
MAGENTA	501030	7	4-5	4-5	4-5
LIGHT MAGENTA	501031	7	4-5	4-5	4-5
YELLOW	501015	7	4-5	4-5	4-5
RED	501032	6-7	4-5	4-5	4-5
BLUE	501050	7	4-5	4-5	4-5
GREY	501013	6-7	4-5	4-5	4-5
ORANGE	501033	4-5	4-5	4-5	4-5

			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	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**

- It is recommended to always make printing and thermofixing 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.
- Colour performance and printing results may vary for each type of printed fabric, as the drying and heat setting as well as the characteristics of the used textile binder may give different features, therefore the use of the appropriate colour profiles for each fabric is recommended.
- 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 endeavour 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.