



# J-ECO FLAG NANO NF-60

## TECHNICAL DATA

### NANODOT TECHNOLOGY

#### ENVIRONMENTALLY-FRIENDLY NANO DISPERSED DYE DIGITAL INK FOR SUBLIMATION AND DIRECT PRINTING

J-Eco Flag Nano NF-60 digital inks are ink-jet printing inks especially designed to be used on digital printers having piezo printing heads. J-Eco Flag Nano NF-60 are suitable both for direct and sublimation printing on polyester fabrics or mixed synthetic fabrics, containing polyester in a min. quantity of 60%. In the sublimation process, the image is printed on coated paper and then transferred on the fabric with a heat press or calender. Direct printing process, instead, allows direct printing onto the fabric and then a subsequent process of thermofixation.

For application on different material such as polyamide, the transfer or thermofixing temperature varies according to chemical-physical characteristics of the substrate to be printed. For instance, the plastic sheet used in skis and snowboards manufacturing are transferred at 170-180°C for 90/120 seconds.



#### ECOCOMPATIBILITY

Free from Alkylphenolethoxylate (APE) according to the EC Directive 2003/53/CE issued on June 18, 2003. APE is a chemical product included in the EDC (Endocrine Disrupting Chemicals) list of substances.



#### MAIN FEATURES

- Innovative Nanodot Technology
- Vibrant and bright colours
- Very good shelf-life
- Optimal ink fluidity and printability through piezo-heads
- Excellent image definition in direct printing and transfer as well
- Very good fastness properties

#### Applications

- Printing on polyester and polyamide (nylon) fabrics used in sportswear and outer wear in general
- Printing on mixed synthetic fabrics (min. 60% of synthetic fibres) used in sportswear and outer wear in general
- Printing on polyester and polyamide banners and flags on treated and non-treated fabrics

#### Transfer and Thermofixing Conditions

- Transfer conditions can vary from 30 to 60 seconds for 180°-210°C according to the type of substrate
- Thermofixing can occur by means of a press or calender. The thermofixing temperature and time varies according to chemical-physical characteristics of the substrate to be printed.

#### Available colours and type of packing

- 100C Cyan
- 101LC Light Cyan
- 102B Blue
- 105CT Turquoise
- 200M Magenta
- 201LM Light Magenta
- 203O Orange
- 205EM Extra Magenta
- 300Y Yellow
- 400K Black
- 401GY Grey
- 403HK High Black
- 405AK Absolute Black
- 406KX Extra Black
- 500G Green

#### Table of fastness properties

Colours		Class Colour intensity	Fastness EN ISO		
			Light 105B02	Washing 105C02	Alcaline perspiration 105E04
100C	Cyan	C	5/6	4/5	4/5
101LC	Light Cyan	C	5/6	4/5	4/5
102B	Blue	B/C	5/6	4/5	5
105CT	Turquoise	D	7	5	5
200M	Magenta	C	6/7	4/5	5
201LM	Light Magenta	C	6/7	4/5	5
203O	Orange	C	5/6	4/5	4/5
205EM	Extra Magenta	C	6/7	4/5	5
300Y	Yellow	B	6/7	4/5	4/5
400K	Black	B/C	6	4/5	5
401GY	Grey	B/C	6	4/5	5
403HK	High Black	B/C	5/6	4/5	4/5
405AK	Absolute Black	B/C	5/6	4/5	4/5
406KX	Extra Black	B/C	6	4/5	5
500G	Green	B/C	6	4/5	4/5
A= transfer 180°C B= transfer 190°C			C= transfer 200°C D= transfer 210°C		

Available in 1-Lt bottle for feeder and 1-lt container

**Important:** We strongly suggest to always carry out pretests of printing, drying and transfer on the substrate to be printed in order to establish the operative conditions and the results to be achieved. We also suggest to stir the product before the use and carefully follow the instructions written on the label and on the material safety data sheet enclosed to the products. Furthermore, we remind you that the ink performances can vary according to the type of printer, paper and polyester fabric used in the final application.

**Note:** The information contained in this information sheet are based on our present experience and knowledge. In consideration of the various factors which can effect the results achieved in the final application, J-Teck3 Srl does not take any responsibility for an improper use of the product by the user which can violate or damage rights of third parties.

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