

J-ECO SUBLY NANO NS-60

NANODOT TECHNOLOGY

ENVIRONMENTALLY-FRIENDLY NANO DISPERSED DYE DIGITAL INK FOR SUBLIMATION PRINTING

J-Eco Subly NANO NS-60 are ink-jet printing inks especially designed to be used on digital printers having piezo printing heads. They are particularly suitable for digital printing on polyester textiles used in sports and outer wear, as well as for a variety of plastic substrates used in the manufacturing of skis, snowboards, skateboards, windsurfs and other products. The image is printed on coated paper and then transferred (heating temperature around 210 °C) on polyester fabrics, or mixed synthetic fabrics containing polyester in a min. quantity of 60%.

For the application on plastic materials, such as polyamide, the transfer temperature varies according to the type of substrate and its chemical-physical characteristics. For instance, the plastic sheets 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
- Fast drying on substrates dedicated to transfer
- Very good release on paper and image definition after transfer
- Very good fastness properties

Applications

- Printing on polyester and polyamid (lycra, 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 plastic substrates used in the manufacturing of sport equipment such as skis, snowboards, skateboards, windsurfs etc.
- Printing on every substrates (wood, ceramics, glass) overprinted with polyester-based or polyamid-based coatings

Transfer Condition

Can vary from 30 to 60 seconds for 180°-210 °C according to the type of substrate

Available colours and type of packing

- 100C	Cyan
- 101LC	Light Cyan
- 102B	Blue
- 105CT	Turquoise
- 200M	Magenta
- 201LM	Light Magenta
- 203O	Orange
- 300Y	Yellow
- 400K	Black
- 401GY	Grey
- 403HK	High Black
- 405AK	Absolute Black
- 250FP	Fluo Pink
- 350YP	Fluo Yellow

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
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
250FP	Fluo Pink	B/C	5/6	5	4/5
350YP	Fluo Yellow	B/C	3/4	4/5	4/5

A = Transfer 180 °C **C = Transfer 200 °C**
B = Transfer 190 °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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