

# ST-K 22

Water-based Sublimation ink  
for industrial transfer printing



Sublimation Textile



TECHNICAL DATA SHEET

**isonik**



# ST-K 22

Water-based Sublimation ink  
for industrial transfer printing



KYOCERA



HIGH SPEED  
EQUIPMENT



SPECIFIC  
FOR FASHION



SPORTSWEAR  
SPORTS  
EQUIPMENT



TRANSFER  
PRINTING



FOR COATED  
AND UNCOATED PAPER



BRIGHT AND  
VIBRANT COLOURS



STORAGE  
CONDITIONS:  
AT 5-30°C  
TEMPERATURE  
DRY AND  
WELL-VENTILATED  
ENVIRONMENT



PRINTING  
CONDITIONS:  
20-25°C  
TEMPERATURE  
40-60%RH  
HUMIDITY  
RANGE



SEA FREIGHT  
SHIPMENT  
CONDITIONS  
5-30°C  
TEMPERATURE  
REFRIGERATED  
CONTAINER FOR  
LONG DISTANCE



AVAILABLE  
PACKAGING  
10 KG  
AND  
20 KG TANKS



TRANSFER  
CONDITIONS  
200-210°C  
FOR 35-45 SEC



HEAT-SENSITIVE  
PRODUCT  
DO NOT EXCEED 30°C  
AVOID DIRECT  
SUNLIGHT



## Product description

ISONIK® ST-K 22 is a water-based digital sublimation ink for transfer printing. It is suitable for most of the printers equipped with Kyocera KJ4B print heads. The long-run tests performed on different printers have shown outstanding performances, so that ISONIK ST-K 22 is the right choice for industrial printing facilities based on high-speed equipment.

ISONIK ST-K 22 is suitable for 100% polyester fabrics or in blends with different fibers with minimum of 70% PES. It can be used also on any substrate (alu, wood, ceramic, glass, etc.) usually unsuitable for sublimation process, after pretreating with polyester-polyamide resins.

## Instructions

- ISONIK ST-K 22 is ready to use.
- Keep ISONIK ST-K 22 at printing room temperature at least 24 h before use.
- Shake gently before use.
- Follow instructions on label and MSDS.
- Transfer conditions by using a calender or a flat press: temperature 200-210°C for 35/45 sec.
- Care about correct and regular printer maintenance.
- Preliminary tests are recommended to set the best operative parameters (T°C/t sec) to achieve the desired result. Product performance might vary according to the employed hardware, software and the applied printing method.

## Notes

- Information regarding fastness and additional technical features available upon specific request
- Customized colours available upon request



## DISCLAIMER

The information included in this document is based on experience and the current state of our knowledge and is not intended to be completely exhaustive. The product is for professional use only. Due to multiple factors that could influence the application aspects of ISONIK ST-K 22 and thus the final result obtained, Isocarbo suggests to always carry out preliminary tests in order to evaluate possible abnormal behaviour of the products under particular operating conditions different from those stated in this document. Therefore, Isocarbo assumes no responsibility for any differences in the performance of ISONIK ST-K 22 and for any loss or damage suffered by persons or property as a result of the information contained in this document. Furthermore, Isocarbo accepts no responsibility for any damage caused to third parties as a result of improper use of ISONIK ST-K 22 by any person or company. Isocarbo assures its commitment to the continuous development and improvement of the product and assumes the right to change and update the contents of this technical document at any time.

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