

# ST-K 33

Water-based Sublimation ink  
for direct & transfer industrial printing



Sublimation Textile



TECHNICAL DATA SHEET

**isonik**

# ST-K 33

Water-based Sublimation ink for direct & transfer industrial printing



KYOCERA



HIGH SPEED EQUIPMENT



SPECIFIC FOR FASHION



SPORTSWEAR  
SPORTS EQUIPMENT



FLAGS AND BANNERS



DIRECT PRINTING



TRANSFER PRINTING



BRIGHT AND VIBRANT COLOURS



FOR COATED AND UNCOATED PAPER



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°  
TEMPERATURE  
REFRIGERATED CONTAINER FOR LONG DISTANCE



AVAILABLE PACKAGING  
10 KG TANK



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 33 is a water-based digital sublimation ink both for direct and transfer printing, suitable for most printers equipped with Kyocera KJ4B print heads. Due to its outstanding penetration, it is the right choice for excellent pass-through effect, thus the ideal solution for printing double-sided fabrics. For direct printing, it is recommended to print on suitably pre-treated fabric with our ISONIK AM-P pre-treatment product line.

ISONIK ST-K 33 is suitable for 100% polyester fabrics or in blends with different fibers with minimum of 70% of PES. It can also be used on any substrate (alu, wood, ceramic, glass, etc.) usually unsuitable for sublimation process, after pretreating with polyester-polyamide resins.

## Instructions

- ISONIK ST-K 33 is ready to use.
- Keep ISONIK ST-K 33 at printing room temperature at least 24 hours before use.
- Shake gently before use.
- Follow the 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 operating 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.

## Note

- Information regarding fastness and additional technical features is available upon request
- Customized colours are available upon request
- High light fastness version available (ISONIK ST-K 33 HLF)



## 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 33 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 33 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 33 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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