

TDS-Offset ThermoChromic Ink

PRODUCT TYPE AND USE

This is a temperature sensitive ink, in printed form is coloured below a specific temperature and change to another colour/colourless as they are heated through a defined temperature range. The colour change is reversible. These inks are available in various colours and activation temperatures.

PHYSICAL DATA

Appearance: Paste ink with respective colour.
Viscosity: Optimised viscosity for Offset printing.

PRINTING RECOMMENDATION

Printing process: Web and Sheetfed Offset printing.
Substrate: This ink works very well preferably on absorbent & non-absorbent substrates. However, the customers can evaluate the ink on other substrates also according to their requirements. Higher the print deposition, better the color change effect.
Drying Condition: Air Dry/IR hot air
Washing Solvent: Offset Roll wash
Application: Security documents, Brand Protection labels, etc.

HANDLING AND STORAGE

Storage Condition:

- Should be stored in a cool dark place under temperature $25\pm 4^{\circ}\text{C}$.
- Do not expose to heat, spark, and open flame.

Shelf Life:

- Up to 12 months under above said storage condition in the original container with seal.
- At higher storage temperatures the shelf life will be reduced.

Safety Precaution:

- For personal protection and hygiene, wash thoroughly after handling. Wash before eating and using toilet facilities.
- Avoid eye & skin contact. Keep container closed when not in use and upright to prevent leakage.

Disclaimer: The information provided by our technical data sheet is a way of guide to the use of our product and is correct to the best of our knowledge. However, neither WESTTEK ENTERPRISES PRIVATE LIMITED (WEPL) nor its subsidiaries can offer any guarantee as to its accuracy or exhaustiveness. User bears the sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-printing processing, and shipment to end use. Any liability associated with the use of this product is limited to the value of the product purchased from WEPL.

Issued Date: Mar 2024 Version: V1.0