

TDS - Color Shift Ink

PRODUCT TYPE AND USE

Color Shift ink when printed, display a strong and unique colour change instantly from a normal to an angled viewing position.

PHYSICAL DATA

Appearance: Liquid to viscous liquid with variable colours
Viscosity: Optimised viscosity for flexographic & Screen printing.

PRINTING RECOMMENDATION

Printing process: Flexographic printing with EPDM plates preferred & Screen printing .
Substrate: This ink works very well preferably on absorbent & non-absorbent substrates. However, the customers can evaluate the ink on different substrates also according to their requirement and ensure the application feasibility.
Anilox Selection: An anilox of between 180 – 330-line screen / above 7 BCM with 60° cell angle is generally recommended where good colour/effect is desired. We strongly recommend the user to have trial & approval before proceeding to the bulk production.
Curing Condition: Flexo - UV radiation in the range of 200-400 nm. Capacity of the lamp is 80 -120 watts/cm . Screen - It is solvent base ink hence, IR dryer for instant surface dry and oven drying 50 deg C for 15 mins for thorough drying.
Wash: UV Wash for UV flexo ink and Screen wash for Screen ink
Application: Security documents, Brand Protection labels, etc.

HANDLING AND STORAGE

Storage Condition:

- Should be stored in cool dark place under temperature 25±4°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.

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