

WATER THERMAL IV INK SYSTEM

Water Thermal IV is designed to provide very high heat resistance with excellent moisture resistance properties. Plus, these outstanding characteristics do not compromise print quality and press stability. Water Thermal IV inks produce strong clean colors in both solid and screen work. Base colors are recommended for use with anilox volumes up to 3.2 BCM's, while process inks are designed for 1.4 BCM's. Water Thermal IV base colors are balanced so that the "Ink Miser" system can be used.

The base system for Water Thermal IV includes:

WTL101095 THERMAL IV YELLOW
WTL101211 THERMAL IV ORANGE
WTL205581 THERMAL IV WARM RED
WTL205582 THERMAL IV RUBINE
WTL307582 THERMAL IV REFLEX BLUE
WTL307583 THERMAL IV P/C BLUE
WTL044527 THERMAL IV JET BLACK
WTL044479 THERMAL IV BLACK
WTL307581 THERMAL IV LF VIOLET
WVT011607 THERMAL IV TRANS WHITE
WVT011608 THERMAL IV E Z PRINT REDUCER

WTL009661 THERMAL IV WHITE
WTN205583 THERMAL IV RHODAMINE
WTN307579 THERMAL IV NLF VIOLET
WTN205588 THERMAL IV NLF WARM RED
WTN205587 THERMAL IV NLF RUBINE
WTN101216 THERMAL IV NLF YELLOW
WTN307580 THERMAL IV NLF PURPLE
WTN307587 THERMAL IV NLF REFLEX BLUE
WTL058526 THERMAL IV GREEN

WTL101213 THERMAL IV 4C PROCESS YELLOW
WTL205585 THERMAL IV 4C PROCESS MAGENTA
WTL307584 THERMAL IV 4C PROCESS BLUE
WTL044525 THERMAL IV 4C PROCESS BLACK

- Can be catalyzed with WVA011213
- Heat Resistant to 400°F**
- Viscosity: 14 – 18" #3 Zahn Cup
- pH: 9.2 – 9.8
- Dry rate: Fast
- Gloss Finish
- Scuff resistance: Good
- Moisture Resistance: Excellent

- Recommended reduction: Use WVT011388 Easy Print Reducer. The use of WVA001513, Glycol, is recommended to slow dry rate. **WVA001620 Clean Print Additive should not be used if printing on direct thermal substrates due to possible activation of substrate.**

DISPOSAL-Water-based inks and coatings including press washings should not be poured into any drainage system without first reviewing local regulations.

REGULATORY REQUIREMENTS:

- Material Safety Data Sheets will be supplied upon request.
- All pigments comply with CONEG.
- Air Quality data available upon request.
- Hazardous Material Identification System used for all labels.

** HEAT RESISTANCE measured on a Sentinel Heat Sealer. Ink applied to a direct thermal substrate using a bladed 550 line anilox with a 3.1 BCM 60-65 durometer roll. Testing should be done to ensure acceptable results due to variations in ink film thickness, substrates, and printers before any production is run.