PRODUCT DATA SHEET

PHOENIX INKS

WB THERMAL INK

WB Thermal ink is a water-based flexo series developed for use with ribbon and direct-thermal transfer overprinting applications. It can be aplied on a variety of papers and flexographic equipment and shows excellent stability and coverage. This line of ink can also be used in the medical packaging industry for making blister packs as well as sterilizing applications on tyvek material.

PRODUCT FEATURES

- WB Thermal ink properties may vary depending upon the actual substrate used.
- We recommend testing prior to use to ensure compatibility.
- For added resistance we offer an overprint varnish.
- Available in four color process and base colors.
- Color matches available upon request.

PRODUCT BENEFITS

Thermal transfer and/or direct thermal paper applications can benefit from this ink line. These inks are designed to take the thermal heats your customers will experience during their subsequent processing without blistering, flaking or smudging. Thermal Graphix offers improved run speeds and color densities, which contributes to lower costs and increased margins.

TECHNICAL INFORMATION

Equipment specifications:
WB Thermal ink are set to run on conventional metering and doctor blade setups where ink volumes are 4 to 8 bcm per anilox line screen counts from 360-440. WB Thermal ink were developed to work with various types of flexographic presses. This ink series offers excellent color strength and printability at press speeds up to 400 feet per minute. Testing is required to verify actual ink performance at operating speeds.

Quality control parameters:
Viscosity: Press-ready at 20 – 25 seconds #3 Zahn cup with pH of 9.2 – 9.8.

Shelf life:
Guaranteed for up to six months when stored in a sealed container. Optimum storage temperature is 50˚-70˚ F.

Resistance:
Chemical resistance properties vary with applications and substrates. This line of inks passes sterilization resistant tests such as ETOH, Autoclave and Gamma Ray. Call our Technical Department for product specifications.

Colors:
Base and color matches available on request and custom developed to meet job specifications. All evaluations performed side-by-side versus standard.

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