## Versaink

# TECHNICAL DATA SHEET Versalnk MICR DW Series for Desktop & Workgroup Inkjets

### **Product Features & Substrates Features**

Versalnk MICR (magnetic ink character recognition) DW Series for Desktop and Workgroup Inkjets systems ink is designed for printing bank compliant, long-lasting documents, security applications, payments and premium quality prints. Versalnk MICR pigment ink, contains high density magnetic nanoparticles (50nm) for magnetic content scanning, delivers extreme light and waterfastness, rich optical density and ever-lasting document integrity.

**Product name:** Versalnk MICR DW-Series (Desktop & Workgroup Inkjets)

Ink vehicle: Aqueous Ink type: MICR Color: Black

Optical Density (600x600dpi): K=0.90 Average particle diameter (nm): 44-65

Viscosity (cPs): 7.0 - 12.0

Surface tension (dynes/cm): 32 - 42

**pH:** 6.9 - 7.3

Specific gravity: 1.40 – 1.60 MICR Signal\*: 90-110%

Shelf life: > 24 months

#### Ideal Product Use Conditions\*\*

Media compatibility: porous, non-porous, coated, glossy and offset. Print Head compatibility: Thermal & Piezo inkjet printers.

#### **Ink Handling**

Proper use and handling will provide optimum print quality and print life. Clean up any ink spill immediately. Should ink come in contact with skin, wipe ink off the area with a clean, dry cloth rag and wash affected area with soap and water.

#### Shelf Life

Optimal temperature range for storage is 41°F - 95°F (5°C - 35°C). Keep out of reach of children. This product has a shelf life of 24 months from the date of manufacture when stored under preferred conditions. Exposing the ink to temperatures higher or lower than preferred may have an adverse effect on performance and/or shelf life. The ink needs to acclimatize to room temperature before calibration and printing.

#### **Ink Performance**

VI MICR DW Series ensures consistent results for a wide variety of printing needs. The ink is specially formulated to provide ultra crisp sharp prints, resistant to smudging and fading. Versalnk MICR ink DW is fraud proof and tamper resistant, compatible with magnetic readers used at retail stores and banks for printing 100% bank compliant checks. Versalnk MICR DW is the ultimate solution for many financial and security applications.

#### **Applications**

Magnetic Ink Character Recognition (MICR) Printing Worldwide, Security ID Card Printing, Mailing/Barcode Labels, Invisible Anti-Counterfeit "Marking."

#### **Packaging**

As specified in the purchase process. Custom packaging available upon request.

#### **Operating Conditions**

Temperature: 66°F – 80°F [19°C – 27°C] Humidity - Optimum: 40% - 60% (non-condensing) Operational: 30% - 70% (non-condensing).

#### Warrantv

The manufacturer guarantees the quality of ink, if handled and filled into qualified ink containers by trained personnel using adequate tools. The manufacturer cannot guarantee the printed results and has no control over a customers' operating and printing procedures. While all information on use of this product is provided in good faith, the customer bears sole responsibility in its end use. Liabilities associated with using this product are limited to the purchase value of the product.

#### Validated Equipment for digital inkjet technology

Canon, Screen, HP, Ricoh, Infoprint, Epson, Kodak, Panasonic, Kyocera, Konika-Minolta, FujiFilm-Dimatix, Impika, Xerox, Domino, Amica Systems, Pitney Bowes, KBA, RRD, MCS, HP SPS TIJ 2.5/4.0 and many more.